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Control cabinet technology
CABINET add-on

CABINET add-on stands for innovative control cabinet technology from Phoenix Contact. The installation of switchgear and control cabinets need not be time and space-consuming if suitable assembly equipment is used and the right tool is selected. Phoenix Contact offers a comprehensive product range for this.

The automation of individual activities is a logical answer to increased costs for control cabinet construction. Especially the automatic devices from Phoenix Contact allow optimum preparation of cables and conductors for the effective wiring of your systems.

Covers and shield clamps from Phoenix Contact guarantee the necessary safety for both the user and the system.

The cable entry system rounds off the product range and allows you to run pre-assembled conductors into the control cabinet safely and without a great deal of space.

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Professional cutting

Professional stripping off

Professional crimping with forces reduced by up to 25%

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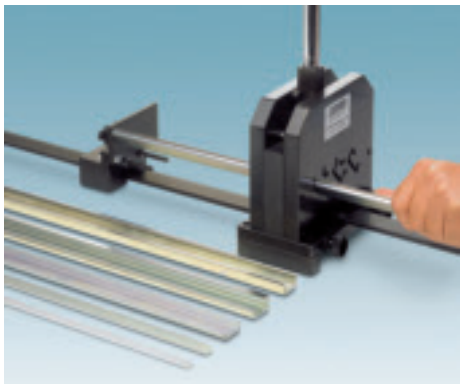
An optimum cable cutter is available for every application. Different designs allow the professional processing of conductors and wires of up to 100 mm diameter. All parts that are under a particular strain are tempered or specially hardened.

An extensive range of combination tools is available for the universal use. The safety tools equipped with 2-component anti-skid handles are VDE-tested and marked as per DIN EN 60900.



Profile cutters are available for the quick, burr-free and non-cutting processing of DIN rails and cable ducts. An optionally usable hydraulic unit automates the manual DIN rail cutter.

All types of conductors and wires can be stripped off quickly, precisely and safely using the stripping tools. The adjustment to the respective conductor cross-section is automatic.

The WIREFOX-D SHIELD stripping pliers allow the easy creation of cable cutouts and conductor pick-offs. These pliers are optimally suitable for stripping off shielded cables.

The extensive range of professional crimping pliers facilitates the processing of all contact types of up to 120 mm^2. The innovative design and ergonomically shaped handles reduce the required forces by up to 25%.

The CRIMPFOX-M universal crimping pliers allow the processing of different contacts thanks to replaceable dies. The dies can be replaced easily and quickly without the need for an additional tool.

With their precise torque setting option, the torque screwdrivers and battery-powered screwdrivers are optimally adapted to the screw terminal block range from Phoenix Contact. A variety of hard and tough BIT screw inserts allow universal use.

The multimeters, clip-on ammeters and voltage testers are high-quality measuring tools that have been tested and approved in accordance with the nationally and internationally applicable standards.

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Cable cutters

Phoenix Contact has the perfect cable cutter for every application. There are different designs for processing cables of a conductor diameter up to 100 mm (up to 1400 mm²).

All parts of the cable cutters that are under particular strain are tempered or especially hardened.

CUTFOX 12

CUTFOX 18

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable cutter, for copper and aluminum of up to 12 mm Ø (up to 35 mm²)	**CUTFOX 12**	**1212128**	1			
Cable cutter, angled, for copper and aluminum of up to 18 mm Ø (up to 50 mm²)				**CUTFOX 18**	**1212129**	1
Front cable cutter, for copper and aluminum up to 25 mm Ø (up to 185 mm²)						
Front cable cutter, with ratchet function, for copper and aluminum of up to 35 mm Ø (up to 300 mm²)						
Ring cable cutter, with ratchet function, for copper and aluminum of up to 45 mm Ø (up to 300 mm²)						
Ring cable cutter, with ratchet function, for copper and aluminum of up to 52 mm Ø (up to 300 mm²)						
Two-hand ring cable cutter, with ratchet function, for copper and aluminum of up to 62 mm Ø (up to 750 mm²)						
Two-hand ring cable cutter, with ratchet function, for copper and aluminum of up to 100 mm Ø (up to 1400 mm²)						

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CUTFOX ...

CUTFOX ...

CUTFOX ...

Type	Order No.	Pcs. / Pkt.
CUTFOX 25	1212130	1
CUTFOX 35	1212131	1

Type	Order No.	Pcs. / Pkt.
CUTFOX 45	1212132	1
CUTFOX 52	1212133	1

Type	Order No.	Pcs. / Pkt.
CUTFOX 62	1212134	1
CUTFOX 100	1212135	1

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Cutting tools for special applications

The CUTFOX FBS cutting tools are suitable for disengaging individual bars of the FBS ... plug-in bridges from the CLIPLINE complete modular terminal block range. Screw bridges are cut without crushing with the CUTFOX FB.

CUTFOX-FBS

CUTFOX FB

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Cutting tool, for separating individual jumper bars from plug-in bridges FBS...-4, FBS...-5, FBS...-6, FBS...-8 and insertion bridges EB...	CUTFOX-FBS	1212124	1
Cutting tool, for cutting fixed bridges from FBI 10-6 to FBI 10-12 Cutting capacity single/multiple/fine strand: 6/10/25 mm²			

Type	Order No.	Pcs. / Pkt.
CUTFOX FB	1205985	1

VDE cutting tools

The VDE-tested cutting tools are made up of high-quality special tool steel. The inductively hardened cutting ensures long-term cutting power and thus a clean cut in soft as well as hard wires.

CUTFOX ... VDE

CUTFOX-... VDE

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Cable cutter, precision cut with macro toothing, for copper and aluminum of up to 16 mm Ø (up to 50 mm²), VDE 1000 V AC/ 1500 V DC tested	CUTFOX 16 VDE	1212126	1
Cable cutter, precision cut with macro toothing, for copper and aluminum of up to 25 mm Ø (up to 70 mm²), VDE 1000 V AC/ 1500 V DC tested	CUTFOX 25 VDE	1212127	1
Power side cutter, with optimized lever translation, for piano wire as well, VDE 1000 V AC/ 1500 V DC tested			
Diagonal cutter, with optimized lever translation, for piano wire as well, VDE 1000 V AC/ 1500 V DC tested			

Type	Order No.	Pcs. / Pkt.
CUTFOX-SP VDE	1212206	1
CUTFOX-S VDE	1212207	1

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VDE combination pliers

The ergonomic manual tools have a positive effect on the holding and cutting power due to the favorable translation ratios. The force required of the user is noticeably low.

UNIFOX-CE VDE

UNIFOX-C VDE

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Combination pliers, angled, with spring reset, gripping surfaces intertoothed, integrated ring key M6 - M10, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-CE VDE**	**1212203**	1
Combination pliers, gripping surfaces intertoothed, integrated ring key M6 - M10, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-C VDE**	**1212202**	1

VDE combination pliers

The safety devices from Phoenix Contact are tested to DIN EN 60900 (VDE 0682-201) and are suitable for work on or in the vicinity of live parts up to 1000 V AC voltage or 1500 V DC voltage. The tools have ergonomic two-component safety handles.

UNIFOX-... VDE

UNIFOX-... VDE

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Flat-nosed pliers, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-F VDE**	**1212363**	1
Round-nosed pliers, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-R VDE**	**1212364**	1
Needle-nosed pliers with cut, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-P VDE**	**1212204**	1
Needle-nosed pliers with cut, 45° bent, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-PC VDE**	**1212205**	1

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Wiring channel/profile cutter

The PPS CD M wiring channel cutter cuts channels and covers up to a width of 125 mm and a wall thickness of 2.5 mm burr-free and non-cutting in seconds. A spring-mounted knife protection provides the necessary safety.

PPS BASIC I/M is a lightweight version of profile cutters. It processes the common EN DIN rails NS 35/15, NS 35/7,5 and NS 15, and the PEN conductor busbar NLS-CU 3/10.

PPS CD M

Wiring channel cutter

PPS BASIC I/M

DIN rail cutter

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**285**	**280**	**290**	**150**	**60**	**180**
General data							
Weight	[kg]	10.5			8.3		
Length of the measuring bar	[mm]	1000			1000		
Length of the hand lever	[mm]	500			590		
Wiring channels (wall thickness)	[mm]	2.50			-		
Cutting width	[mm]	125			-		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Wiring channel cutter, for cutting of wiring channels and their covers and profiles, with a metric measuring rail, cutting width 125 mm	Black	**PPS CD M**	**1207569**	1			
Profile cutter, for cutting standard DIN rails, NS 15 / NS 35/7,5 / NS 35/15 and neutral busbar NLS-CU 3/10, with an inch/metric measuring rail	Black				**PPS BASIC I/M**	**1207585**	1

Accessories

Spare knife		**PPS CD BLADE**	**1207572**	1			
Spare counter support		**PPS CD M COHO**	**1208995**	1			
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes		**PPS TABLE**	**1206285**	1	**PPS TABLE**	**1206285**	1

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Profile cutter with punching inserts

The PPS STANDARD and PPS CLASSIC can be equipped with two stamping bits for round holes or elongated holes. The PPS CLASSIC is advantageous where hole sizes often change. By simply folding open the PPS... upper part, the stamping bits can be changed in no time at all.

Attention: When ordering please specify the stamping tool desired.

PPS STANDARD ...

DIN rail cutter with bore hole die

PPS CLASSIC ...

DIN rail cutter with bore hole die

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**180**	**100**	**220**	**250**	**100**	**230**
General data							
Weight	[kg]	19			19		
Length of the measuring bar	[mm]	1000			1000		
Length of the hand lever	[mm]	1000			1000		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Profile cutter, for cutting and stamping of standard DIN rails, NS 15 / NS 32 / NS 35/7,5 / NS 35/15 and neutral busbar NLS-CU 3/10, for accommodating two stamping inserts, without stamping tool, with a metric measuring rail							
	Black	**PPS STANDARD M**	**1206175**	1			
Same as before, but with inch/metric measuring rail	Black	**PPS STANDARD I/M**	**1206230**	1			
Profile cutter, for cutting and stamping of standard DIN rails, NS 15 / NS 32 / NS 35/7,5 / NS 35/15 and neutral busbar NLS-CU 3/10, for accommodating two stamping inserts, easy replacement of stamping inserts without using a stamping tool, with an inch/metric measuring rail							
	Black				**PPS CLASSIC M**	**1206243**	1
Same as before, but with inch/metric measuring rail	Black				**PPS CLASSIC I/M**	**1206256**	1

Accessories

Stamping insert, for elongated holes, longitudinal:							
3.5 x 12 mm		**PPS-ST (3,5X12)L**	**1203563**	1	**PPS-ST (3,5X12)L**	**1203563**	1
4.5 x 12 mm		**PPS-ST (4,5X12)L**	**1203534**	1	**PPS-ST (4,5X12)L**	**1203534**	1
5.5 x 12 mm		**PPS-ST (5,5X12)L**	**1202603**	1	**PPS-ST (5,5X12)L**	**1202603**	1
6.35 x 15 mm		**PPS-ST (6,35X15)L**	**1204876**	1	**PPS-ST (6,35X15)L**	**1204876**	1
6.5 x 15 mm		**PPS-ST (6,5X15)L**	**1202593**	1	**PPS-ST (6,5X15)L**	**1202593**	1
Stamping insert, for elongated holes, traverse:							
3.5 x 12 mm		**PPS-ST (3,5X12)Q**	**1203550**	1	**PPS-ST (3,5X12)Q**	**1203550**	1
4.5 x 12 mm		**PPS-ST (4,5X12)Q**	**1203547**	1	**PPS-ST (4,5X12)Q**	**1203547**	1
5.5 x 12 mm		**PPS-ST (5,5X12)Q**	**1203411**	1	**PPS-ST (5,5X12)Q**	**1203411**	1
6.5 x 15 mm		**PPS-ST (6,5X15)Q**	**1203408**	1	**PPS-ST (6,5X15)Q**	**1203408**	1
Stamping bit, for bore holes							
3.8 mm Ø		**PPS-ST (3,8)**	**1204892**	1	**PPS-ST (3,8)**	**1204892**	1
4.3 mm Ø		**PPS-ST (4,3)**	**1202616**	1	**PPS-ST (4,3)**	**1202616**	1
5.3 mm Ø		**PPS-ST (5,3)**	**1202629**	1	**PPS-ST (5,3)**	**1202629**	1
6.4 mm Ø		**PPS-ST (6,4)**	**1202632**	1	**PPS-ST (6,4)**	**1202632**	1
7.0 mm Ø		**PPS-ST (7,0)**	**1204889**	1	**PPS-ST (7,0)**	**1204889**	1
8.4 mm Ø		**PPS-ST (8,4)**	**1202726**	1	**PPS-ST (8,4)**	**1202726**	1
Hydraulic cylinder, for connection to an existing hydraulic system, operating pressure 160 - 220 bar							
		PPS HYDRAULIC CYL	**1208924**	1			
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes							
		PPS TABLE	**1206285**	1	**PPS TABLE**	**1206285**	1

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Stripping tools

The stripping pliers WIREFOX from Phoenix Contact are characterized by a mechanism that adjusts automatically to different kinds of insulation and conductor diameters. Particularly useful are the integrated wire cutter and the flexibly adjustable stop for the stripping length.

WIREFOX 2,5

WIREFOX 4

Conductor/cable stripping range			
Wire cutter solid // stranded	[mm²] / AWG	2.5 / 14 // 6 / 10	1.5 / 16 // 10 / 8
Stripping length up to ...	[mm]	15	18
Conductor / cable	[mm²] / AWG	0.08 - 2.5 / 28 - 12	0.1 - 4 / 28 - 12

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Stripping tool, angled, for lines and conductors (specially for PTFE isolations) of 0.08 - 2.5 mm², self-adjusting, stripping length of up to 15 mm, cutting capacity: solid up to 2.5 mm², stranded up to 6 mm²	**WIREFOX 2,5**	**1212368**	1			
Stripping tool, for cables and conductors (especially also for PTFE insulations) of 0.1 - 4 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²				**WIREFOX 4**	**1212156**	1
Stripping tool, for wires and conductors of 4 - 16 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²						
Stripping tool, for wires and conductors of 4 - 16 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²						
Stripping pliers, for wires and conductors of 6 - 16 mm², self-aligned, any desired stripping length						
Stripping tool, for lines and conductors (specially for short-circuit-proof lines) of 1.5 - 6 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²						
Stripping pliers, for AS interface flat wires, any desired stripping length						

Accessories

Spare knife	**WIREFOX 2,5/SB**	**1212369**	1	**WIREFOX 4/SB**	**1212151**	1
Spare limit stop	**WIREFOX 2,5/WS**	**1212370**	1			

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WIREFOX 10

1.5 / 16 // 10 / 8
18
0.2 - 10 / 8 - 34

Type	Order No.	Pcs. / Pkt.
WIREFOX 10	1212150	1
WIREFOX 10/SB	1212152	1

WIREFOX 16...

1.5 / 16 // 10 / 8
18
4 - 16 / 10 - 5

Type	Order No.	Pcs. / Pkt.
WIREFOX 16	1212155	1
WIREFOX 16-1	1212157	1
WIREFOX 16/SB	1212153	1

WIREFOX ...

1.5 / 16 // 10 / 8
18
0.1 - 4 / 28 - 12

Type	Order No.	Pcs. / Pkt.
WIREFOX 6SC	1212158	1
WIREFOX ASI	1212154	1
WIREFOX 6SC/SB	1212314	1

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Stripping tools

The wide range of precision stripping tools provides the right tool for every application. Conductors and lines with different isolations can be stripped up to a diameter of 40 mm.

WIREFOX-D 11

WIREFOX-D ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Stripping tool, for stripping multicore signal, control and glass fiber wires of 2.5 - 11 mm Ø, insulation thickness up to 1 mm	**WIREFOX-D 11**	**1212160**	1			
Stripping tool, for stripping installation wires with 8 - 13 mm Ø, for example, NYM 3x1.5 mm^2 to NYM 5x2.5 mm^2, single-wire stripping, 0.2 - 4 mm^2, with blade for lateral cutting and extendable knife				**WIREFOX-D 13**	**1212162**	1
Stripping tool, for stripping wires (especially fiber optics wires) of 4 - 16 mm Ø				**WIREFOX-D 16**	**1212173**	1
Stripping tool, for stripping wires of 8 - 28 mm Ø				**WIREFOX-D 28**	**1212174**	1
Stripping tool, for stripping conductors of 4.5 - 40 mm Ø, insulation strength up to 4.5 mm, swiveling knife for round, longitudinal and spiral cuts						
Stripping tool, for coaxial cables of 2.5 - 7.6 mm Ø 2-stage, setting dimension l1 = 6.0 mm 2-stage, setting dimension l1 = 9.2 mm 2-stage, setting dimension l1 = 12 mm 2-stage, setting dimension l1 = 6.8 mm 3-stage, setting dimension l1 = 5.5 mm, l2 = 5.5 mm 3-stage, setting dimension l1 = 2.7 mm, l2 = 8.3 mm 3-stage, setting dimension l1 = 6.0 mm, l2 = 6.0 mm 3-stage, setting dimension l1 = 2.5 mm, l2 = 6.8 mm 3-stage, setting dimension l1 = 3.5 mm, l2 = 7.5 mm						
Stripping pliers, for stripping wires for cable cutouts, wire pick-offs and shield connections						

Accessories

Spare knife	**WIREFOX-D 11/SB**	**1212312**	1			

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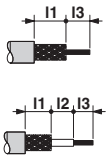
WIREFOX-D 40



WIREFOX-D CX-...

WIREFOX-D SHIELD

Type	Order No.	Pcs. / Pkt.
WIREFOX-D 40	1212161	1
WIREFOX-D 40/SB	1212313	1

Type	Order No.	Pcs. / Pkt.
WIREFOX-D CX-1	1212163	1
WIREFOX-D CX-2	1212164	1
WIREFOX-D CX-3	1212165	1
WIREFOX-D CX-4	1212166	1
WIREFOX-D CX-5	1212167	1
WIREFOX-D CX-6	1212168	1
WIREFOX-D CX-7	1212169	1
WIREFOX-D CX-8	1212170	1
WIREFOX-D CX-9	1212171	1
WIREFOX-D CX-1/SB	1212303	1
WIREFOX-D CX-2/SB	1212304	1
WIREFOX-D CX-3/SB	1212305	1
WIREFOX-D CX-4/SB	1212306	1
WIREFOX-D CX-5/SB	1212307	1
WIREFOX-D CX-6/SB	1212308	1
WIREFOX-D CX-7/SB	1212309	1
WIREFOX-D CX-8/SB	1212310	1
WIREFOX-D CX-9/SB	1212311	1

Type	Order No.	Pcs. / Pkt.
WIREFOX-D SHIELD	1212172	1

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Crimping pliers for ferrules

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

CRIMPFOX 6

The comprehensive range of CRIMPFOX crimping pliers attains optimum crimping for all ferrules in the case of large conductor cross-sections with minimum forces. Equipped with a pressure lock (that can be released), the pliers provide uniform high quality crimping The marked die stations serve in accurate processing of the relevant cross-sections.

The self-adjusting CRIMPFOX 6S/T die automatically adapts to the connector size and is impressive due to its fast and reliable contact processing. The ergonomically formed handles ensure an optimum hold, thus making work less strenuous.

Application range		
Conductor	[mm²] / AWG	0.25 - 6 / 24 - 10
Compression		Trapezoidal crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, five marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX 6**	**1212034**	1
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, front entry			
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, lateral entry			
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, front entry			

Accessories

Spare die	**CRIMPFOX 6/DIE**	**1212035**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	**1212036**	1

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CRIMPFOX 6S-F

0.5 - 6 / 20 - 10
Square crimp

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6S-F	1212043	1
CRIMPFOX 6S-F/DIE	1212285	1
CRIMPFOX/ SPR-3	1212036	1

CRIMPFOX 6T

0.25 - 6 / 20 - 10
Trapezoidal crimp

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6T	1212037	1
CRIMPFOX 6T/DIE	1212298	1
CRIMPFOX/ SPR-1	1212069	1

CRIMPFOX 6T-F

0.25 - 6 / 20 - 10
Trapezoidal crimp

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6T-F	1212038	1
CRIMPFOX 6T-F/DIE	1212297	1
CRIMPFOX/ SPR-1	1212069	1

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Crimping pliers for ferrules

Great importance has been placed on energy-saving work with these compact crimping pliers. The way in which the handles and the die are arranged means that the ferrules can be fitted however the tool is held.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

CRIMPFOX 10S

CRIMPFOX 6H

Application range		
Conductor [mm²] / AWG	0.14 - 10 / 25 - 7	0.14 - 6 / 25 - 10
Compression	Square crimp	Hexagonal

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228, 0.14 - 10 mm², pressure lock can be released, lateral entry	**CRIMPFOX 10S**	**1212045**	1			
Crimping pliers, for ferrules as per DIN 46228, 0.14 - 6 mm², pressure lock can be released, lateral entry				**CRIMPFOX 6H**	**1212046**	1

Accessories

Replacement recuperating spring	**CRIMPFOX/SPR-2**	**1212047**	1	**CRIMPFOX/SPR-2**	**1212047**	1

Crimping pliers for ferrules

The CRIMPFOX 25R /...50R crimping pliers help in processing ferrules of up to 50 mm². The ergonomically formed handles and the optimized mechanical translation ensure optimum hold and reduce the force needed by 25%.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

CRIMPFOX 25R

CRIMPFOX 50R

Application range		
Conductor [mm²] / AWG	10 - 25 / 8 - 4	35 - 50 / 2 - 1
Compression	WM crimp	WM crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, three marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX 25R**	**1212039**	1			
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, two marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX 50R**	**1212041**	1

Accessories

Spare die	**CRIMPFOX 25R/DIE**	**1212040**	1	**CRIMPFOX 50R/DIE**	**1212042**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	**1212069**	1	**CRIMPFOX/ SPR-1**	**1212069**	1

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Crimping pliers for cable lugs and plugs

All pliers of the CRIMPFOX series feature an integrated pressure lock. They unlock as soon as the required crimping pressure is attained, thus ruling out the possibility of too little pressure. The color marking on the die clearly allocates the cross-section.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

CRIMPFOX-RCI 1

CRIMPFOX-RCI 2,5

Application range		
Conductor [mm²] / AWG	0.14 - 1 / 26 - 18	0.75 - 2.5 / 20 - 14
Compression	Oval crimp	Oval crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for insulated cable lugs (light green, red), three marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX-RCI 1**	**1212055**	1			
Crimping pliers, for insulated cable lugs (red, blue), two marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-RCI 2,5**	**1212053**	1

Accessories

Spare die	**CRIMPFOX-RCI 1/DIE**	**1212056**	1	**CRIMPFOX-RCI 2,5/DIE**	**1212054**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	**1212036**	1	**CRIMPFOX/ SPR-3**	**1212036**	1

Crimping pliers for cable lugs and plugs

The CRIMPFOX-RCI 6 /...-1 completes the range of cable lug crimping pliers towards the high end. The precisely manufactured dies provide a uniform and high quality during contact processing.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

CRIMPFOX-RCI 6

CRIMPFOX-RCI 6-1

Application range		
Conductor [mm²] / AWG	0.75 - 6 / 20 - 10	0.75 - 6 / 20 - 10
Compression	Oval crimp	Oval crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for insulated cable lugs symmetric (red, blue, yellow), three marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX-RCI 6**	**1212057**	1			
Crimping pliers, for insulated cable lugs asymmetric (red, blue, yellow), three marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-RCI 6-1**	**1212059**	1

Accessories

Spare die	**CRIMPFOX-RCI 6/DIE**	**1212058**	1	**CRIMPFOX-RCI 6-1/DIE**	**1212290**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	**1212069**	1	**CRIMPFOX/ SPR-1**	**1212069**	1

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Crimping pliers for non-insulated cable lugs

The CRIMPFOX-RC is characterized by its compact and light design. It helps in processing non-insulated cable lugs. Equipped with a forced lock (unlockable), the pliers provide a uniform high quality of crimping. The ergonomically formed handles ensure an optimum hold, thus making work less strenuous. The conductor entry is lateral. Three labeled die stations serve for precise processing of the relevant cross-sections.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

CRIMPFOX-RC 2,5

Application range		
Conductor	[mm²] / AWG	0.75 - 2.5 / 20 - 14
Compression		Indent crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for non-insulated cable lugs, three marked die stations, pressure lock can be released, lateral entry	CRIMPFOX-RC 2,5	1212063	1

Accessories

Spare die	CRIMPFOX-RC 2,5/DIE	1212064	1
Replacement recuperating spring	CRIMPFOX/ SPR-3	1212036	1

Crimping pliers for non-insulated cable lugs

The CRIMPFOX-RC 10 and ...-RCT 25 complete the range of crimping pliers for non-isolated cable lug and isolated tube lugs. All CRIMPFOX pliers of this type reduce the force needed by 25% during crimping.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

CRIMPFOX-RC ...

CRIMPFOX-RCT 25-1

Application range			
Conductor	[mm²] / AWG	4 - 10 / 12 - 8	10 - 25 / 8 - 4
Compression		Indent crimp	HEX crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for non-insulated cable lugs	CRIMPFOX-RC 10	1212061	1			
Crimping pliers, for non-insulated cable lugs	CRIMPFOX-RC 25	1212065	1			
Crimping pliers, for non-insulated tube lugs				CRIMPFOX-RCT 25-1	1212066	1

Accessories

Spare die	CRIMPFOX-RC 10/DIE	1212062	1			
Spare die	CRIMPFOX-RC 25/DIE	1212299	1	CRIMPFOX-RCT 25/DIE	1212300	1
Replacement recuperating spring	CRIMPFOX/ SPR-1	1212069	1	CRIMPFOX/ SPR-1	1212069	1

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Basic pliers, for accommodating dies

The wide variety of dies makes the CRIMPFOX-C... universal crimping pliers of up to 120 mm². Easy-to-fold jaw holders help in quick replacement of dies. A mechanical drive system minimizes the force needed.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

For more dies, see www.phoenixcontact.de/eshop.

CRIMPFOX-C50 ...

CRIMPFOX-C120 ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Basic pliers, with ratchet function, for accommodating dies for various contacts						
Up to 50 mm²	**CRIMPFOX-C50**	**1212340**	1			
Two-hand operation of up to 120 mm²				**CRIMPFOX-C120**	**1212318**	1
Accessories						
Upper part of die, for ferrules 50 mm², 70 mm², trapezoidal crimp						
				CRIMPFOX-C120 AI 70/M-DIE	**1212335**	1
For 95 mm²				**CRIMPFOX-C120 AI 95/M-DIE**	**1212336**	1
Lower part of die, for ferrules 50 mm², trapezoidal crimp				**CRIMPFOX-C120 AI 50/F-DIE**	**1212337**	1
For 70 mm²				**CRIMPFOX-C120 AI 70/F-DIE**	**1212338**	1
For 95 mm²				**CRIMPFOX-C120 AI 95/F-DIE**	**1212339**	1
Die (pair), for isolated cable lugs, 10 mm², oval crimp						
	CRIMPFOX-C50 RCI 10/DIE	**1212346**	1	**CRIMPFOX-C120 RCI 10/DIE**	**1212327**	1
For 16 mm²	**CRIMPFOX-C50 RCI 16/DIE**	**1212347**	1	**CRIMPFOX-C120 RCI 16/DIE**	**1212328**	1
For 25 mm²	**CRIMPFOX-C50 RCI 25/DIE**	**1212348**	1	**CRIMPFOX-C120 RCI 25/DIE**	**1212329**	1
For 35 mm²				**CRIMPFOX-C120 RCI 35/DIE**	**1212330**	1
Die upper part, for non-isolated cable lugs, (DIN 46234) 6 - 35 mm², indent crimp						
	CRIMPFOX-C50 RC 35/M-DIE	**1212343**	1			
For 6 - 70 mm²				**CRIMPFOX-C120 RC 70/M-DIE**	**1212331**	1
Die lower part, for non-isolated cable lugs, 25 mm², indent crimp	**CRIMPFOX-C50 RC 25/F-DIE**	**1212344**	1			
For 35 mm²	**CRIMPFOX-C50 RC 35/F-DIE**	**1212345**	1			
For 10, 16, 25, 35 mm²				**CRIMPFOX-C120 RC 35/F-DIE**	**1212332**	1
For 6, 50 mm²				**CRIMPFOX-C120 RC 50/F-DIE**	**1212333**	1
For 10, 70 mm²				**CRIMPFOX-C120 RC 70/F-DIE**	**1212334**	1
Die (pair), for copper tube lugs, 35 mm², WM crimp						
	CRIMPFOX-C50 RCT 35-1/DIE	**1212341**	1			
For 16, 35 mm²				**CRIMPFOX-C120 RCT 35-1/DIE**	**1212320**	1
For 50 mm²	**CRIMPFOX-C50 RCT 50-1/DIE**	**1212342**	1			
For 25, 50 mm²				**CRIMPFOX-C120 RCT 50-1/DIE**	**1212321**	1
For 10, 70 mm²				**CRIMPFOX-C120 RCT 70-1/DIE**	**1212319**	1
For 95 mm²				**CRIMPFOX-C120 RCT 95-1/DIE**	**1212322**	1
For 120 mm²				**CRIMPFOX-C120 RCT 120-1/DIE**	**1212323**	1
Pre-round die (pair), for sector cable, 25, 35 mm²						
	CRIMPFOX-C50 R25-35/DIE	**1212349**	1			
For 35, 50 mm²	**CRIMPFOX-C50 R35-50/DIE**	**1212350**	1			
For 50, 70 mm²	**CRIMPFOX-C50 R50-70/DIE**	**1212351**	1			
For 25, 50 mm²				**CRIMPFOX-C120 R25-50/DIE**	**1212324**	1
For 35, 70 mm²				**CRIMPFOX-C120 R35-70/DIE**	**1212325**	1
For 95 mm²				**CRIMPFOX-C120 R95/DIE**	**1212326**	1

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Crimping pliers for non-isolated slip-on sleeves

The CRIMPFOX-SC... serves in processing non-isolated flat connectors and slip-on sleeves of up to 6 mm². Equipped with a pressure lock, the pliers provide uniform high quality crimping. The marked die stations serve in accurate processing of the relevant cross-section ranges.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

CRIMPFOX-SC 1,5

CRIMPFOX-SC 6...

Application range			
Conductor	[mm²] / AWG	0.1 - 1.5 / 26 - 16	0.5 - 6 / 22 - 10
Compression		B crimp	B crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for non-isolated 2.8 and 4.8 mm slip-on sleeves, three marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX-SC 1,5**	**1212048**	1			
Crimping pliers, for non-isolated 2.8 and 4.8 mm slip-on sleeves, three marked die stations, pressure lock can be released, lateral entry, incl. positioning aid				**CRIMPFOX-SC 6L**	**1212052**	1
Crimping pliers, for non-isolated 2.8 and 4.8 mm slip-on sleeves, three marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-SC 6**	**1212050**	1

Accessories

Spare die	**CRIMPFOX-SC 1,5/DIE**	**1212049**	1	**CRIMPFOX-SC 6/DIE**	**1212051**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	**1212036**	1	**CRIMPFOX/ SPR-1**	**1212069**	1

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Crimping pliers for turned contacts

The CRIMPFOX-TC ... are crimping pliers for processing turned contacts of up to 10 mm². The integrated locator serves in accurate positioning of the contacts in the die. The marked die stations serve in accurate processing of the relevant cross-section ranges.

CRIMPFOX-TC 4

Application range		
Conductor	[mm²] / AWG	0.5 - 4 / 22 - 12
Compression		Square crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for turned contacts with a pin diameter of 1.6/2.5/4.0 mm, three marked die stations, pressure lock can be released, lateral entry, incl. positioning aid	**CRIMPFOX-TC 4**	**1212113**	1
Crimping pliers, for turned contacts with a pin diameter of 4.0 mm, three marked die stations, pressure lock can be released, lateral entry, incl. positioning aid	**CRIMPFOX-TC 10**	**1212114**	1

Accessories

Spare die	**CRIMPFOX-TC 4/DIE**	**1212295**	1
Spare die	**CRIMPFOX-TC 10/DIE**	**1212296**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	**1212069**	1

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Crimping pliers for coaxial and fiber optics connector

The CRIMPFOX-CX ... are crimping pliers for processing coaxial connectors. The CRIMPFOX-FO for processing fiber optics connectors is another addition to our tool range.

CRIMPFOX-CX ...

CRIMPFOX-FO 5,41

Application range						
Compression	-			HEX crimp		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for: Coaxial connector 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, pressure lock can be released, lateral entry, hex crimp	**CRIMPFOX-CX 4,52**	**1212094**	1			
Coaxial connector 1.69 mm, 5.41 mm, 6.48 mm, three marked die stations, pressure lock can be released, lateral entry, hex crimp	**CRIMPFOX-CX 6,48**	**1212095**	1			
Coaxial connector 1.73 mm, 8.23 mm, 9.14 mm, three marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-CX 9,14**	**1212096**	1
Coaxial connector 2.54 mm, 10.54 mm, two marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-CX 10,54**	**1212097**	1
Coaxial connector 2.54 mm, 10.90 mm, two marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-CX 10,90**	**1212098**	1
Crimping pliers, for fiber optics connector, 3.25 mm, 3.84 mm, 4.52 mm, 5.0 mm, 5.41 mm, five marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-FO 5,41**	**1212099**	1
Crimping pliers for D-SUB contacts, high-density and standard, 0.08 - 5.0 mm², incl. contact, B crimp						
Black	**CRIMPFOX-DSUB 5**	**1212111**	1			

Accessories

Spare die	**CRIMPFOX-CX 4,52/DIE**	**1212284**	1			
	CRIMPFOX-CX 6,48/DIE	**1212286**	1			
				CRIMPFOX-CX 9,14/DIE	**1212293**	1
				CRIMPFOX-CX 10,54/DIE	**1212291**	1
				CRIMPFOX-CX 10,90/DIE	**1212292**	1
				CRIMPFOX-FO 5,41/DIE	**1212294**	1
Spare die	**CRIMPFOX-DSUB 5/DIE**	**1212287**	1			
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	**1212036**	1	**CRIMPFOX/ SPR-1**	**1212069**	1

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CRIMPFOX-M crimping tool

An excellent feature of the new CRIMPFOX-M crimping pliers is the quick replacement of crimp inserts without the use of tools. The large number of inserts makes it a space-saving universal tool for all applications.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

CRIMPFOX-M ...

CRIMPFOX-M SET

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Basic pliers, for accommodating dies for various contact types, pressure lock can be released, lateral entry	**CRIMPFOX-M**	**1212072**	1			
Crimping pliers set, consisting of CRIMPFOX-M and dies 1212074, 1212079, 1212080, 1212081				**CRIMPFOX-M SET**	**1212093**	1

Accessories

Die, for ferrules, 0.25 - 10 mm²	**CRIMPFOX-M 10/DIE**	**1212080**	1			
For 16 - 25 mm²	**CRIMPFOX-M 25/DIE**	**1212081**	1			
For 35 - 50 mm²	**CRIMPFOX-M 50/DIE**	**1212082**	1	**CRIMPFOX-M 50/DIE**	**1212082**	1
Die, for insulated cable lugs, 0.5 - 1.5 mm² and 1.5 - 2.5 mm²	**CRIMPFOX-M RCI 2,5/DIE**	**1212074**	1			
For 0.1 - 0.4 mm² and 4 - 6 mm²	**CRIMPFOX-M RCI 6/DIE**	**1212073**	1	**CRIMPFOX-M RCI 6/DIE**	**1212073**	1
Die, for non-insulated cable lugs, 0.75 - 2.5 mm²	**CRIMPFOX-M RC 2,5/DIE**	**1212078**	1	**CRIMPFOX-M RC 2,5/DIE**	**1212078**	1
For 0.5 - 6 mm²	**CRIMPFOX-M RC 6/DIE**	**1212079**	1			
For 4 - 10 mm²	**CRIMPFOX-M RC 10/DIE**	**1212077**	1	**CRIMPFOX-M RC 10/DIE**	**1212077**	1
Die, for non-insulated slip-on sleeves, 0.1 - 1 mm²	**CRIMPFOX-M SC 1/DIE**	**1212083**	1	**CRIMPFOX-M SC 1/DIE**	**1212083**	1
For 0.5 - 2.5 mm²	**CRIMPFOX-M SC 2,5/DIE**	**1212084**	1	**CRIMPFOX-M SC 2,5/DIE**	**1212084**	1
For 0.5 - 6 mm²	**CRIMPFOX-M SC 6/DIE**	**1212085**	1	**CRIMPFOX-M SC 6/DIE**	**1212085**	1
Die, For turned contacts with pin diameters 2.5 mm and 4.0 mm (CK 2,5... ,CK 4,0...), cross-section 0.14 - 4 mm²	**CRIMPFOX-M TC 4/DIE**	**1212075**	1	**CRIMPFOX-M TC 4/DIE**	**1212075**	1
For turned contacts with pin diameter 4 mm (CK 4,0...), cross-section 6 - 10 mm²	**CRIMPFOX-M TC 10/DIE**	**1212076**	1	**CRIMPFOX-M TC 10/DIE**	**1212076**	1
Die, for RG 174, RG 179, BNC, TNC coaxial connectors	**CRIMPFOX-M CX-1/DIE**	**1212087**	1	**CRIMPFOX-M CX-1/DIE**	**1212087**	1
For RG 58, RG 59, RG 62, RG 71, BNC, TNC	**CRIMPFOX-M CX-2/DIE**	**1212088**	1	**CRIMPFOX-M CX-2/DIE**	**1212088**	1
For CATV RG 6,59	**CRIMPFOX-M CX-3/DIE**	**1212089**	1	**CRIMPFOX-M CX-3/DIE**	**1212089**	1
Die, for unshielded RJ45 connectors	**CRIMPFOX-M RJ45/DIE**	**1212090**	1	**CRIMPFOX-M RJ45/DIE**	**1212090**	1
For unshielded RJ11 connectors	**CRIMPFOX-M RJ11/DIE**	**1212091**	1	**CRIMPFOX-M RJ11/DIE**	**1212091**	1
Die, for shrink butt connector, 0.1 - 0.4 mm² and 4 - 6 mm²	**CRIMPFOX-M HS-1/DIE**	**1212282**	1	**CRIMPFOX-M HS-1/DIE**	**1212282**	1

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Screwdriver

In addition to their standard applications, the screwdrivers of the SZF series are also suitable for actuating the modular terminal blocks of the ST ... and QTC ... series.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

SZF ...

ST-BW

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Screwdriver, for slotted-head screws Blade: 0.4 x 2.5 x 75 mm, length: 156 mm	**SZF 0-0,4X2,5**	**1204504**	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZF 1-0,6X3,5**	**1204517**	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SZF 2-0,8X4,0**	**1204520**	10
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm	**SZF 3-1,0X5,5**	**1206612**	10

Description	Type	Order No.	Pcs. / Pkt.
Operating tool, for all 2.5 mm² and 4 mm² ST spring-cage terminal blocks, DT push-in connection terminal blocks and QT fast connection terminal blocks	**ST-BW**	**1207608**	10

Screwdriver

Screwdrivers from Phoenix Contact have a large bearing surface in the screw head. Only in this way can the required torque be achieved with adequate force without damaging the screw head.

The safety screwdrivers are tested to DIN EN 60900 (VDE 0682-201) and are suitable for work on or in the vicinity of live parts up to 1000 V AC voltage or 1500 V DC voltage. The tools have two-component safety handles.

SZS ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Screwdriver, for slotted-head screws Blade: 0.4 x 2.0 x 60 mm, length: 157 mm	**SZS 0,4X2,0**	**1205202**	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZS 0,6X3,5**	**1205053**	10
Screwdriver, for slotted-head screws, with VDE approval			
Blade: 0.4 x 2.5 x 80 mm, length: 161 mm	**SZS 0,4X2,5**	**1205037**	10
Blade: 0.5 x 3.5 x 100 mm, length: 181 mm	**SZS 0,5X3,0**	**1207404**	10
Blade: 0.6 x 2.5 x 80 mm, length: 161 mm	**SZS 0,6X2,5**	**1205040**	10
Blade: 1.0 x 4.0 x 100 mm, length: 198 mm	**SZS 1,0X4,0**	**1205066**	10
Blade: 1.0 x 5.5 x 125 mm, length: 223 mm	**SZS 1,0X5,5**	**1209114**	10
Blade: 1.0 x 6.5 x 150 mm, length: 248 mm	**SZS 1,0X6,5**	**1205079**	10
Blade: 1.2 x 8.0 x 175 mm, length: 287 mm	**SZS 1,2X8,0**	**1205082**	10

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Screwdriver

The VDE screwdriver for Phillips screw are available in the Pozidriv and Phillips recess versions. The SZG... screwdriver is ideal for slip-free and safe drive of the test socket screws.

SZK ...

SZG ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Screwdriver, for Pozidriv/Supadriv Phillips screws, VDE approval						
Size: PZ0 x 80 mm, length: 161 mm	**SZK PZ0**	**1206447**	10			
Size: PZ1 x 80 mm, length: 161 mm	**SZK PZ1**	**1206450**	10			
Size: PZ2 x 100 mm, length: 205 mm	**SZK PZ2**	**1206463**	10			
Screwdriver, for Phillips Recess Phillips screws, VDE approval:						
Size: PH0 x 80 mm, length: 161 mm	**SZK PH0**	**1205147**	10			
Size: PH1 x 80 mm, length: 161 mm	**SZK PH1**	**1205150**	10			
Size: PH2 x 100 mm, length: 205 mm	**SZK PH2**	**1205163**	10			
Screwdriver, for test socket screws, with VDE approval						
For 2.3 mm Ø screw, blade: 0.6 x 3.5 x 100 mm, length: 198 mm				**SZG 0,6X3,5**	**1205121**	10
For 4 mm Ø screw, blade: 0.9 x 6.5 x 175 mm, length: 287 mm				**SZG 0,9X6,5**	**1205134**	10

Screwdriver

We have compiled attractive tool sets from the comprehensive range of professional screwdrivers.

Universal control cabinet key **USS 4** with the following locks: 6 mm square, 7-8 mm square, 7-8 mm triangle, 3-5 mm double.

SZ SORTI ...

USS 4

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Screwdriver range, consisting of the small screwdrivers: 1205037, 1205040, 1205053, 1205121	**SZ SORTI 1**	**1202085**	1			
Screwdriver range, consisting of the three large screwdrivers: 1205066, 1205079, 1205134	**SZ SORTI 2**	**1202098**	1			
Control cabinet key, made of metal, for all common control cabinets				**USS 4**	**1203149**	1

Courtesy of Power/mation. 1310 Energy Lane, Saint Paul, MN 55108
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Torque and torque battery-powered screwdriver

The extremely accurate torque and battery-powered screwdriver are optimally adapted to the screw terminal block products from Phoenix Contact. The battery-powered screwdriver has forward/reverse running and 21 torque stages of up to 4.4 Nm with drilling levels.

N

TSD-M ...

ASD 21 ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Torque screw driver, accuracy as per standard EN ISO 6789						
Adjustable from 0.3 - 1.2 Nm	**TSD-M 1,2NM**	**1212224**	1			
Adjustable from 1.2 - 3 Nm	**TSD-M 3NM**	**1212225**	1			
Adjustable from 3 - 6 Nm	**TSD-M 6NM**	**1212226**	1			
Torque battery-powered screwdriver, adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. power pack 1.2 Ah				**ASD 21**	**1208526**	1
Torque battery-powered screwdriver, adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. rechargeable battery pack 1.2 Ah, charger, 230 V design, User Manual, bits, packed in aluminum case				**ASD 21 SET 230V**	**1208490**	1
Torque battery-powered screwdriver, adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. rechargeable battery pack 1.2 Ah, charger, 120 V design, User Manual, bits, packed in aluminum case				**ASD 21 SET 120V**	**1208542**	1

Accessories

Spare rechargeable battery, for ASD 21, 1.2 Ah				**ASD 21 ACCU 1,2AH**	**1208500**	1
Charger, 230 V design				**ASD 21 CHARGER 230V**	**1208513**	1
120 V design				**ASD 21 CHARGER 120V**	**1208555**	1
Tool bits, for slotted-head screws						
Blade: 0.5 x 3.0 mm, length: 50 mm, tough but flexible	**ASD BIT 0,5X3,0X 50**	**1203961**	5	**ASD BIT 0,5X3,0X 50**	**1203961**	5
Blade: 0.6 x 3.5 mm, length: 50 mm, tough but flexible	**ASD BIT 0,6X3,5X 50**	**1203974**	5	**ASD BIT 0,6X3,5X 50**	**1203974**	5
Blade: 0.6 x 3.5 mm, length: 70 mm, tough but flexible	**ASD BIT 0,6X3,5X 70**	**1203987**	5	**ASD BIT 0,6X3,5X 70**	**1203987**	5
Blade: 0.8 x 4.0 mm, length: 50 mm, tough but flexible	**ASD BIT 0,8X4,0X 50**	**1203990**	5	**ASD BIT 0,8X4,0X 50**	**1203990**	5
Blade: 1.0 x 5.5 mm, length: 50 mm, tough but flexible	**ASD BIT 1,0X5,5X 50**	**1204009**	5	**ASD BIT 1,0X5,5X 50**	**1204009**	5
Tool inserts, for Phillips Recess Phillips screws						
Length: 50 mm, PH 1	**ASD BIT KS1X50**	**1203945**	5	**ASD BIT KS1X50**	**1203945**	5
Length: 50 mm, PH 2	**ASD BIT KS2X50**	**1203958**	5	**ASD BIT KS2X50**	**1203958**	5
Length: 50 mm, PH 3	**ASD BIT KS2X90**	**1205435**	5	**ASD BIT KS2X90**	**1205435**	5
Tool inserts, for test socket screws with 2.3 mm Ø						
Blade: 0.6 x 3.5 mm, length: 50 mm, tough but flexible	**ASD BIT 0,6X3,5X 50/SG**	**1204151**	5	**ASD BIT 0,6X3,5X 50/SG**	**1204151**	5
Tool inserts, for test socket screws with 4 mm Ø						
Blade: 0.9 x 6.5 mm, length: 50 mm, tough but flexible	**ASD BIT 0,9X6,5X 50/G**	**1204148**	5	**ASD BIT 0,9X6,5X 50/G**	**1204148**	5

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Tool sets

We have compiled a few attractive tool sets for you from the comprehensive range of professional tools. You can find the special sets in the individual tool pages as well, e.g. screwdrivers, refer to page 645.

TOOL DATA SET

TOOL SET ALLROUND 2

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping, crimping and cutting set, consisting of: Cable cutter for copper and aluminum up to 12 mm Ø, stripping tool for stripping multicore signal, control and glass fiber wires of Ø 2.5 - 11 mm, insulation thickness up to 1 mm, basic pliers for accommodating dies for different contact types, die, for CRIMPFOX-M, for unshielded RJ45 connectors	**TOOL DATA SET**	**1208856**	1
Cutting, stripping, and crimping set, consisting of: Cable cutter for copper and aluminum up to 12 mm Ø, stripping tool for wires and conductors of 0.02 - 10 mm², self-aligned, stripping length up to 18 mm, cutting capacity up to 10 mm² stranded/1.5 mm² solid, crimping pliers for ferrules, 0.75 - 10 mm²	**TOOL SET ALLROUND 2**	**1208843**	1

Tool set with ferrules

For color designation of ferrules, see page 728.

TOOL-SET ALLROUND 3

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping, crimping and screwing set, consisting of: Screwdriver for slotted-head screws, stripping tool for wires and conductors of 0.02 - 10 mm², self-aligned, stripping length up to 18 mm, cutting capacity up to 10 mm² stranded/1.5 mm² solid, crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 - 6 mm², front insertion, square crimp Ferrules, 50 pieces each: AI 0,5-8 WH, AI 2,5-8 BU Ferrules, 100 pieces each: AI 0,75-8GY, AI 1,5-8 BK	**TOOL-SET ALLROUND 3**	**1208953**	1

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Voltage tester

The PROFIPOL voltage tester has the following features:
– DC and AC voltage tests in the range between 6 V and 400 V
– Polarity test (+/-) for DC voltage
– Shock-proof housing that is protected against dust and splash water, IP65
– LED display

PROFIPOL

General data		
Voltage range	[V DC]	6 ... 400
Voltage range	[V AC]	6 ... 400

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Voltage tester	Black	**PROFIPOL**	**1209101**	1

Voltage and continuity tester

The DUSPOL EXPERT voltage and continuity tester has the following features:
– DC and AC voltage tests in the range of 12 V to 690 V AC / 750 V DC, fully functional even without batteries
– Polarity test (+/-) for DC voltage
– Single-pos. test of the phase conductor (phase): "R" symbol in the display field for AC voltage
– Indicator for rotary field direction of a three-phase network as long as the star point is grounded
– Measuring point lighting
– Acoustic and optical continuity test
– Load connection using a pushbutton
– Vibration alarm for safe voltage detection
– Shock-proof housing that is protected against dust and splash water, IP64
– Surge protection category CAT IV 500 V as per IEC/EN 61243-3

DUSPOL EXPERT

General data		
Voltage range	[V DC]	12 ... 750
Voltage range	[V AC]	12 ... 690

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Voltage tester	Black	**DUSPOL EXPERT**	**1209091**	1

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Digital current probe multimeter

The TESTFOX CC can be used in the case of voltages of up to 600 V, category III. They combine the functions of a digital multimeter with those of current pliers in a compact and practical housing, thus making it ideal for limited spaces. All measuring ranges are overload-protected.

TESTFOX CC

TESTFOX CC-1

General data		
Display scope	2000 digits	4000 digits
Accuracy of display	1.0%	0.5%
AC voltage measuring range	0.1 V - 600 V	0.1 mV - 600 V
DC voltage measuring range	0.1 V - 600 V	0.1 mV - 600 V
AC current measuring range	0.1 A - 400 A	10 mA - 300 A
DC current measuring range	-	10 mA - 300 A
Resistance measuring range	0.1 Ω - 20 MΩ	0.1 Ω - 40 MΩ
Continuity test range	Acoustic (20 Ω)	Acoustic (50 Ω)
Degree of protection	IP30	IP30
Measuring category	CAT III 600 V	CAT III 300 V / CAT II 600 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE0411	IEC/EN 61010-1, DIN VDE0411

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Current pliers/multimeter	**TESTFOX CC**	**1212210**	1			
Current pliers/multimeter				**TESTFOX CC-1**	**1212211**	1

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Digital multimeter

TESTFOX M

The digital multimeter TESTFOX M and TESTFOX M-1 with volt sensor function are impressive due to their technology and their quality. The devices can be used in a variety of applications and can be tested and approved as per the internationally applicable standards IEC/EN 61010 irrespective of the certifying body.

The devices are suitable for DC voltage, resistance measurement and feed-through and diode test. TESTFOX M-1 also enables measurement of direct and alternating currents, capacities and frequencies as well as temperatures in the range of -20°C to +800°C.

High-level safety

Phase voltages can be accurately detected via the acoustic and red signal.
The devices can be used in the case of voltages of up to 600 V category III or 1000 V category II. It thus provides increased protection and allows maximum working safety to professional service engineers and operation engineers.

Safe cable breakage detection

Cable breakages and defective lamps in open lines can be traced from the supply phase to the interruption point.

General data	
Display scope	2000 digits
Accuracy of display	0.5%
Volt sensor	yes
AC voltage measuring range	0.1 mV - 750 V
DC voltage measuring range	0.1 mV - 1000 V
AC current measuring range	-
DC current measuring range	-
Resistance measuring range	0.1 Ω - 20 MΩ
Continuity test range	yes (25 Ω)
Frequency measuring range	0.1 mV - 750 V
Capacity measuring range	-
Temperature measuring range	-
Diode test	yes (1.5 mA)
Degree of protection	IP30
Measuring category	CAT III 600 V / CAT II 1000 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE0411

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Digital multimeter	**TESTFOX M**	**1212208**	1
Digital multimeter			

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TESTFOX M-1

2000 digits
0.5%
yes
0.1 mV - 750 V
0.1 mV - 1000 V
1 mA - 10 A
1 mA - 10 A
0.1 Ω - 20 MΩ
yes (25 Ω)
0.1 mV - 750 V
1.00 pF - 2.00 mF
-20°C - 800°C
yes (1.5 mA)
IP30
CAT III 600 V / CAT II 1000 V
2 x micro battery 1.5 V, LR03, AAA
IEC/EN 61010-1, DIN VDE0411

Type	Order No.	Pcs. / Pkt.
TESTFOX M-1	**1212209**	1

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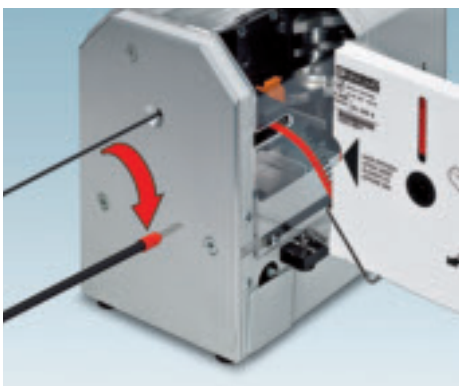
Automatic stripping off

Automatic crimping



Automatic stripping off and crimping in one operation

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The CUTFOX 10 cutting machine cuts conductors and wires of up to 10 mm^2. Solid and stranded conductors are cut with millimeter precision. The length and the number of sections are entered via the user-friendly display. When the material is changed, the CUTFOX 10 automatically adjusts to the diameter.

The WF 1000 stripping machine allows automatic stripping with the option of partially stripping the insulation of conductors of up to 6 mm^2 or wires of up to 6 mm Ø.

Knobs are used to set the stripping dimensions individually and the setting is shown on the display.

The ZAP crimping pliers are pneumatic tools for ferrules with a cross-section range of 0.25 to 10 mm^2. The crimping process is triggered using a foot valve. Two integrated receptacles serve for quick access to the ferrules.

The CF 500 is characterized by a high press capacity in a compact design.

Thanks to the adjustable press capacity and the replaceable die, it is suitable for insulated cable lugs, conduit lugs and cable terminal lugs, slip-on sleeves and ferrules of up to 50 mm^2.

The CF 1000 stripping and crimping machine processes loose ferrules with insulating collars as per DIN 46228-4. With this machine, conductors can be stripped and provided with ferrules in one operation.

The CF 3000-2,5 stripping and crimping machine processes taped ferrules with insulating collars as per DIN 46228-4. This device can strip off conductors in the cross-section range of 0.25 - 2.5 mm^2 provide them with ferrules in one operation. The automatic device can be adapted to different cross-sections within a minute.

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Cutting device for conductors and cables

CUTFOX 10 ...

The CUTFOX 10 cutting machine cuts conductors, cables and similar profiles. The desired length and quantity is entered via the display on CUTFOX 10 in a user-friendly manner.

The front cover only need to be swung open to introduce the conductor. The drive and guide rolls are automatically set to the relevant defined diameter. Due to the automatic "zero cut" when the start button is pressed, setting work is not required.

Dimensions		Width	Length	Height
	[mm]	**195**	**295**	**230**
General data				
Weight	[kg]	11		
Power consumption	[VA]	80		
Cutting efficiency				
Finely stranded	[mm²]	0.25 - 10		
Solid strand	[mm²]	0.25 - 2.5		
Max. throughput	[mm]	8		
Cross-section setting		automatic		
Maximum number of cuts	[Pcs.]	99999		
Length	[mm]	2 ... 99999		
Feed rate	[m/s]	0.5		
Unit of measurement		mm/inch		
Dialog language		German / English / French / Italian		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Automatic cutting machine, 230 V / 50 Hz design, for conductors and cables of up to 8 mm Ø, solid (up to 2.5 mm²) and stranded (up to 10 mm²)	**CUTFOX 10**	**1206829**	1
Automatic cutting machine, 120 V / 60 Hz design, for conductors and cables of up to 8 mm Ø, solid (up to 2.5 mm²) and stranded (up to 10 mm²)	**CUTFOX 10 120V**	**1206832**	1

Accessories

Cable unwinders, for CUTFOX 10, for the accommodation and spring-mounted unwinding of cable rings and cable coils	**CUTFOX 10 C-UN**	**1208393**	1
Turntable, for CUTFOX 10 cable unwinders, for accommodating cable rings and cable coils Turntable, to accommodate coils	**CUTFOX 10 R-C**	**1208403**	1
Holding arm, for CUTFOX 10 turntable 4 arms for turntable	**CUTFOX 10 BAR**	**1208416**	1
Spare drive belt, two pieces, for CUTFOX 10	**CF-10 WHEEL SET**	**1207271**	1
Spare knife set, for CUTFOX 10	**CF-10 CUTTER KNIFE SET**	**1207284**	1

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Automatic stripping machine

The compact stripping machine WF 1000 enables automatic stripping with the option of partial stripping of conductors from 0.08 to 6 mm² or conductors (multi-strand) of up to 6 mm Ø. Even special isolation such as PTFE and silicone can also be stripped in addition to standard isolations. The clamping force is automatically set to the required withdrawal force. Pressure points at sensitive isolations are thus prevented. The stripping dimensions are individually set via rotary buttons and are displayed on the display.

WF 1000 ...

Dimensions		Width	Length	Height
	[mm]	**141**	**363**	**221**
General data				
Weight	[kg]	9.5		
Power consumption	[VA]	160		
Working cycle	[s]	0.3		
Compression		Trapezoidal		
Stripping power				
Finely stranded	[mm²]	0.08 - 6		
Stripping length	[mm]	3-20		
Partial stripping length	[mm]	2-20		
Max. throughput	[mm]	6		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping machine, 230 V design, for conductors and lines, solid and stranded 0.08-6 mm² (max. Ø 6 mm), with integrated graphic display	**WF 1000**	**1212149**	1
Stripping machine, 120 V design, for conductors and lines, solid and stranded 0.08-6 mm² (max. Ø 6 mm), with integrated graphic display	**WF 1000 120V**	**1212258**	1

Accessories

Spare stripping knife, for WF 1000	**WF 1000/SB**	**1212279**	1

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Pneumatic crimping pliers

The ZAP crimping pliers are pneumatic pliers for ferrules with a cross-section of 0.25 to 10 mm².

The ZAP 25 has a Duo-Press die, allowing both front and lateral cable insertion.

ZAP 25

ZAP 100

Application range			
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14	4 - 10 / 12 - 8
Pressure range	[bar]	4 - 6	4 - 6
Air consumption per compression	[l]	0.2	0.2
Compression		Trapezoidal	Trapezoidal

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Pneumatic crimp pliers, for ferrules as per DIN 46228						
	ZAP 25	**1203110**	1	**ZAP 100**	**1203259**	1

Pneumatic crimping pliers as table-top version

The ZAP 25 T and ZAP 100 T have been developed especially for preparing conductors. The crimping process is triggered by a foot-actuated valve. Two integrated recesses allow easy access to the ferrules.

ZAP 25 T

ZAP 100 T

Application range			
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14	4 - 10 / 12 - 8
Pressure range	[bar]	4 - 6	4 - 6
Air consumption per compression	[l]	0.2	0.2
Compression		Trapezoidal	Trapezoidal

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Pneumatic crimp pliers, for ferrules as per DIN 46228						
	ZAP 25 T	**1203123**	1	**ZAP 100 T**	**1203262**	1

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Portable crimping device for ferrules, cable lugs and connectors

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

See data sheet for further technical data.

CF 500 ...

The CF 500 is characterized by a high press capacity in a compact design.

The compact crimping machine CF 500 is impressive due to its high press capacity and the easy replaceability of its dies. The automatic device is an all-rounder due to its large number of dies.

– Ferrules of up to 50 mm²
– TWIN ferrules of up to 2 x 10 mm²
– Insulated cable lugs of up to 6 mm²
– Non-isolated cable lugs of up to 6 mm²
– Tube lugs of up to 10 mm²
– Slip-on sleeves and flat connectors of up to 6 mm²
– Turned contacts of up to 10 mm²

More dies are available on request or in the Phoenix Contact E-Shop: **www.phoenixcontact.net/eshop.**

Dimensions		Width	Length	Height
	[mm]	**140**	**220**	**320**
General data				
Weight	[kg]	10		
Power supply	[V]	100 ... 240		
Power consumption	[VA]	160		
Pressure	[kN]	10		
Working cycle	[s]	1		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping machine, 230 V design, for different contact types, ferrules, insulated and non-insulated cable lugs, flat connectors and sleeves, turned contacts, simple replacement of dies, with foot switch	**CF 500-230V**	**1208348**	1
Crimping machine, 120 V design, for different contact types, ferrules, insulated and non-insulated cable lugs, flat connectors and sleeves, turned contacts, simple replacement of dies, with foot switch	**CF 500-120V**	**1208351**	1

Accessories

CF 500 die, for ferrules (A... and AI...) 0,25-6 mm²	**CF 500/DIE AI 6**	**1212238**	1
For ferrules (A... and AI...)10, 16 and 25 mm²	**CF 500/DIE AI 25**	**1212239**	1
For ferrules (A... and AI...)35 and 50 mm²	**CF 500/DIE AI 50**	**1212261**	1
For TWIN ferrules (AI-TWIN...) 2 x 4, 2 x 6 and 2 x 10 mm²	**CF 500/DIE AI-TWIN 10**	**1212262**	1
For insulated cable lugs (RCI... and FCI...) 0.14 - 1 mm²	**CF 500/DIE RCI 1,5**	**1212263**	1
For insulated cable lugs (RCI... and FCI...) 0.5 - 6 mm²	**CF 500/DIE RCI 6**	**1212240**	1
For cable lugs (RC... and FC...) 0.5 - 10 mm²	**CF 500/DIE RC 10**	**1212244**	1
For cable lugs (RC... and FC...) 16 mm²	**CF 500/DIE RC 16**	**1212257**	1
For slip-on sleeves and flat connectors (SCF... and SCM...) 0.1 - 1.5 mm²	**CF 500/DIE SC 1,5**	**1212241**	1
For slip-on sleeves and flat connectors (SCF... and SCM...) 0.5 - 6 mm²	**CF 500/DIE SC 6**	**1212242**	1
For turned contacts with pin diameters 2.5 and 4.0 mm (CK 2,5, CK 4,0) 0.14 - 4 mm²	**CF 500/DIE TC 4**	**1212237**	1
For turned contacts (CK 4.0) 6 - 10 mm²	**CF 500/DIE TC 10**	**1212260**	1
CF 500 protective cover, without recess (for all dies without assignment)	**CF 500/COV**	**1212250**	1
For ferrules of up to 6 mm² (AI 6...)	**CF 500/COV AI 6**	**1212254**	1
For TWIN ferrules (AITWIN...)	**CF 500/COV AI TWIN**	**1212266**	1
For insulated cable lugs (RCI...)	**CF 500/COV RCI**	**1212255**	1
For tube lugs 0.5 - 10 mm²	**CF 500/COV RC 10**	**1212252**	1
For tube lugs 0.34 - 2.5 mm²	**CF 500/COV RCT 2,5**	**1212253**	1
For slip-on sleeves and flat connectors SC 1,5... and SC 6...	**CF 500/COV SC**	**1212251**	1
CF 500 locator, for slip-on sleeves (SCF...), width: 2.8 mm, length: 5 mm	**CF 500/LOC SCF 2,8/1,5**	**1212249**	1
For slip-on sleeves (SCF...), width: 4.8 mm	**CF 500/LOC SCF 4,8/2,5**	**1212248**	1
For slip-on sleeves (SCF...), width: 6.3 mm	**CF 500/LOC SCF 6,3/6**	**1212247**	1
For slip-on sleeves (SCM...), 0.5 - 2.5 mm²	**CF 500/LOC SCM 6,3/2,5**	**1212264**	1

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Automatic stripping and crimping device CF 1000

CF 1000-1,5 ...

The stripping and crimping machine CF 1000 processes loose ferrules with insulating collars as per DIN 46228-4. This automatic device can process up to 1200 conductors per hour. In one work step, the conductor is stripped and quality-crimped with a ferrule. The pull-out forces correspond to the requirements of IEC/EN 60999 and IEC/EN 60947.

The automatic device features are:

– Rugged structure
– Processing of loose ferrules (AI...)
– Fast cross-section change without additional setting measures
– Quantity counter
– Suitable for mass processing

Dimensions		Width	Length	Height
	[mm]	**240**	**490**	**390**
General data				
Weight	[kg]	29		
Air consumption per compression	[l]	1.2		
Working cycle	[s]	1.5		
Compression		Trapezoidal		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping and crimping machine, 230 V design, electro-pneumatic, for loose ferrules with insulating collars, 0.34 - 4 mm², incl. modification sets 0.5 - 1.5 mm² (stripping length 8 mm)	**CF 1000-1,5 230V**	**1208199**	1
Stripping and crimping machine, 120 V design, electro-pneumatic, for loose ferrules with insulating collars, 0.34 - 4 mm², incl. modification sets 0.5 - 1.5 mm² (stripping length 8 mm)	**CF 1000-1,5 120V**	**1208209**	1

Accessories

Expansion set, complete, for CF 1000, for loose ferrules with insulating collar, 0.25/0.34 mm², stripping length 6 mm	**CF 1000-TOOLKIT 0,34/ 6**	**1208212**	1
0.25/0.34 mm², stripping length 8 mm	**CF 1000-TOOLKIT 0,34/ 8**	**1208225**	1
2.5 mm², stripping length 8 mm	**CF 1000-TOOLKIT 2,5/ 8**	**1208241**	1
4 mm², stripping length 10 mm	**CF 1000-TOOLKIT 4,0/10**	**1208270**	1
Spare knife, V-form, for CF 1000	**CF-EM**	**1205215**	1

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Portable automatic stripping and crimping device for taped products

CF 3000-2,5 ...

The compact stripping and crimping machine CF 3000-2,5 processes taped ferrules with insulating collars as per DIN 46228-4. This automatic device can process up to 1200 conductors per hour. In one work step, the conductor is stripped and quality-crimped with a ferrule. The CF 3000-2,5 is suitable for conductor pre-assembly. Thanks to its compact and light design, it can be easily used at different workstations. Modifying automatic devices to different cross-sections is possible within a minute. The clear allocation of conversion components is ensured due to the colored marking as per the ferrules standard DIN 46228-4.

The application video can be downloaded from the EShop menu on the Internet: www.phoenixcontact.de/download

The suitable taped ferrules support the use of all modular terminal blocks, especially from the **CLIPLINE complete system**:

– UT screw terminal blocks
– ST spring-cage terminal blocks
– PIT push-in connection terminal blocks
– COMBI pluggable connection solutions

Taped ferrules, see page 660.

Dimensions		Width	Length	Height
	[mm]	**165**	**320**	**300**
General data				
Weight	[kg]	12		
Application range				
Conductor	[mm²] / AWG	0.5 - 2.5 / 20 - 14		
Power consumption	[VA]	80		
Working cycle	[s]	1.2		
Compression		Trapezoidal		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping and crimping machine, 230 V design, for isolated taped ferrules 0.25 - 2.5 mm², stripping length 8 mm, incl. the modification sets 0.5 - 2.5 mm²	**CF 3000-2,5**	**1205477**	1
Stripping and crimping machine, 120 V design, for isolated taped ferrules 0.25 - 2.5 mm², stripping length 8 mm, incl. the modification sets 0.5 - 2.5 mm²	**CF 3000-2,5 120V**	**1205516**	1

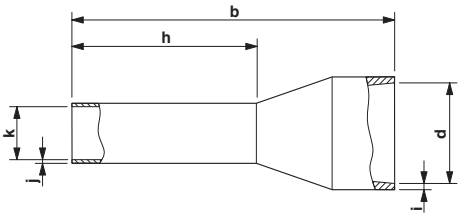
Accessories

Expansion set, complete, for CF 3000, for taped insulated ferrules, 0.25/0.34 mm², stripping length 8 mm	**CF 3000-TOOLKIT 0,25**	**1212376**	1
Spare locator,			
0.25 mm²	**CF 3000 LOC 0,25**	**1212377**	1
0.5 mm²	**CF 3000 LOC 0,5**	**1205639**	1
0.75 mm²	**CF 3000 LOC 0,75**	**1205642**	1
1.0 mm²	**CF 3000 LOC 1,0**	**1205655**	1
1.5 mm²	**CF 3000 LOC 1,5**	**1205668**	1
2.5 mm²	**CF 3000 LOC 2,5**	**1205671**	1
Spare knife, 0.25 mm², adjustable			
0.25 mm², adjustable	**CF 3000 AB 0,25**	**1212380**	1
0.5 mm²	**CF 3000 AM 0,5**	**1205587**	1
0.75 mm²	**CF 3000 AM 0,75**	**1205590**	1
1.0 mm²	**CF 3000 AM 1,0**	**1205600**	1
1.5 mm²	**CF 3000 AM 1,5**	**1205613**	1
2.5 mm²	**CF 3000 AM 2,5**	**1205626**	1

Courtesy of Power/mation. 1310 Energy Lane, Saint Paul, MN 55108
info@powermation.com - 800-843-9859 - www.powermation.com

Ferrules with plastic sleeves in the form of taped articles for the crimping machine CF 3000-2,5

The taped ferrules have been developed specifically for the crimping machine CF 3000-2,5. They are available in the most important color series up to 2.5 mm². All modular terminal blocks, especially those of the CLIPLINE complete system, can be wired using them.



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For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

Ordering data

Description	Cross-section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Taped ferrule, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	0.34	22	Yellow	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 YE-B**	**3240251**	1000
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-B**	**3201369**	1000
	0.75	18	Gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-B**	**3201372**	1000
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD-B**	**3201385**	1000
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK-B**	**3201398**	1000
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU-B**	**3201408**	500
Taped ferrules, with plastic sleeve, color code as per NF C 63-023: 1994-02, CSA-certified													
	0.75	18	Blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU-B**	**3201547**	1000
	2.5	14	Gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 GY-B**	**3201550**	500
Taped ferrules, with plastic sleeve, special colors, CSA-certified													
	0.34	22	Blue	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 BU-B**	**3240250**	1000
	0.34	22	Turquoise	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,34-8 TQ-B**	**3240249**	1000
	0.5	20	Orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG-B**	**3201563**	1000
	0.75	18	White	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH-B**	**3201576**	1000
	1	18	Yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 YE-B**	**3201589**	1000
	1.5	16	Red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD-B**	**3201592**	1000

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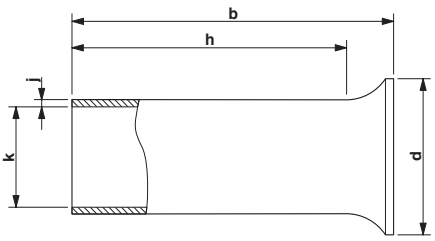
Ferrules without insulating collar, in acc. with DIN 46228-1

Ferrules without plastic insulating sleeves from Phoenix Contact are made of soft electrolytic copper with tin plating.

The dimensions of the ferrules correspond to DIN 46228-1.



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For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) These ferrules are not included in DIN 46228-4:1990-09.

General data

Material / coating: E-CU / tin-plated (galvanic)

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, without plastic sleeves, CSA-certified													
	0.25[1])	24	Silver	-	5.00	1.70	-	-	0.15	0.80	**A 0,25- 5**	**3202465**	1000
	0.25[1])	24	Silver	-	7.00	1.70	-	-	0.15	0.80	**A 0,25- 7**	**3202478**	1000
	0.34[1])	22	Silver	-	7.00	1.80	-	-	0.15	0.90	**A 0,34- 7**	**3009202**	1000
	0.5	20	Silver	-	6.00	2.10	5.30	-	0.15	1.00	**A 0,5 - 6**	**3200218**	1000
	0.5[1])	20	Silver	-	8.00	2.10	7.30	-	0.15	1.00	**A 0,5 - 8**	**3202481**	1000
	0.5	20	Silver	-	10.00	2.10	9.30	-	0.15	1.00	**A 0,5 -10**	**3202494**	1000
	0.75	18	Silver	-	6.00	2.30	5.30	-	0.15	1.20	**A 0,75- 6**	**3200221**	1000
	0.75[1])	18	Silver	-	8.00	2.30	7.30	-	0.15	1.20	**A 0,75- 8**	**3202504**	1000
	0.75	18	Silver	-	10.00	2.30	9.30	-	0.15	1.20	**A 0,75-10**	**3200234**	1000
	1	18	Silver	-	6.00	2.50	5.30	-	0.15	1.40	**A 1 - 6**	**3200247**	1000
	1[1])	18	Silver	-	8.00	2.50	7.30	-	0.15	1.40	**A 1 - 8**	**3202517**	1000
	1	18	Silver	-	10.00	2.50	9.30	-	0.15	1.40	**A 1 -10**	**3200250**	1000
	1.5	16	Silver	-	7.00	2.80	6.00	-	0.15	1.70	**A 1,5 - 7**	**3200263**	1000
	1.5	16	Silver	-	10.00	2.80	9.00	-	0.15	1.80	**A 1,5 -10**	**3200276**	1000
	1.5	16	Silver	-	12.00	2.80	11.00	-	0.15	1.70	**A 1,5 -12**	**3202588**	1000
	1.5	16	Silver	-	15.00	2.80	14.00	-	0.15	1.70	**A 1,5 -15**	**3202591**	1000
	1.5	16	Silver	-	18.00	2.80	17.00	-	0.15	1.70	**A 1,5 -18**	**3202601**	1000
	2.5	14	Silver	-	7.00	3.40	6.00	-	0.15	2.20	**A 2,5 - 7**	**3200289**	1000
	2.5	14	Silver	-	12.00	3.40	11.00	-	0.15	2.20	**A 2,5 -12**	**3200292**	1000
	2.5	14	Silver	-	18.00	3.40	17.00	-	0.15	2.20	**A 2,5 -18**	**3202821**	1000
	4	12	Silver	-	9.00	4.00	8.00	-	0.20	2.80	**A 4 - 9**	**3200302**	1000
	4	12	Silver	-	12.00	4.00	11.00	-	0.20	2.80	**A 4 -12**	**3200315**	1000
	4	12	Silver	-	18.00	4.00	17.00	-	0.20	2.80	**A 4 -18**	**3202834**	1000
	6	10	Silver	-	10.00	4.70	9.00	-	0.20	3.50	**A 6 -10**	**3202520**	500
	6	10	Silver	-	12.00	4.70	11.00	-	0.20	3.50	**A 6 -12**	**3200328**	500
	10	8	Silver	-	12.00	5.80	10.80	-	0.20	4.50	**A 10 -12**	**3200331**	500
	10	8	Silver	-	18.00	5.80	16.80	-	0.20	4.50	**A 10 -18**	**3200344**	500
	16	6	Silver	-	12.00	7.50	10.50	-	0.20	5.80	**A 16 -12**	**3200425**	100
	25[1])	4	Silver	-	12.00	9.50	10.00	-	0.20	7.30	**A 25 -12**	**3200357**	100
	25	4	Silver	-	15.00	9.50	13.00	-	0.20	7.30	**A 25 -15**	**3200360**	100
	25	4	Silver	-	18.00	9.50	16.00	-	0.20	7.30	**A 25 -18**	**3200373**	100
	25[1])	4	Silver	-	20.00	9.50	18.00	-	0.20	7.30	**A 25 -20**	**3200386**	100
	35	2	Silver	-	18.00	11.00	16.00	-	0.20	8.30	**A 35 -18**	**3200399**	100
	35[1])	2	Silver	-	20.00	11.00	18.00	-	0.20	8.30	**A 35 -20**	**3200409**	100

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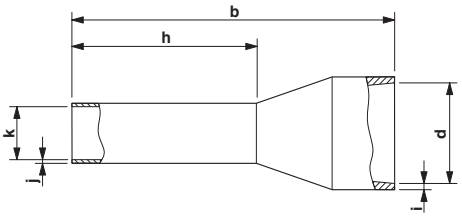
Ferrules with insulating collar, in acc. with DIN 46228-4

Ferrules with plastic insulating sleeves from Phoenix Contact are made of soft electrolytic copper with tin plating.

The reliability of the insulation is increased the closer the connections are to one another, and the splicing of wires is prevented.



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For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) These ferrules are not included in DIN 46228-4:1990-09.

General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

Ordering data

Description	Cross-section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	0.25[1])	24	Yellow	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,25- 6 YE**	**3203024**	100
	0.25[1])	24	Yellow	-	12.50	2.00	8.00	0.25	0.15	0.80	**AI 0,25- 8 YE**	**3203037**	100
	0.5	20	White	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 WH**	**3200687**	100
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH**	**3200014**	100
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH -1000**	**3200881**	1000
	0.5	20	White	-	16.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 WH**	**3201275**	100
	0.5[1])	20	White	-	18.00	2.50	12.00	0.25	0.15	1.10	**AI 0,5 -12 WH**	**3200506**	100
	0.75	18	Gray	-	12.00	2.80	6.00	0.25	0.15	1.30	**AI 0,75- 6 GY**	**3200690**	100
	0.75	18	Gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY**	**3200519**	100
	0.75	18	Gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY -1000**	**3200894**	1000
	0.75	18	Gray	-	16.00	2.80	10.00	0.25	0.15	1.30	**AI 0,75-10 GY**	**3201288**	100
	0.75	18	Gray	-	18.00	2.80	12.00	0.25	0.15	1.30	**AI 0,75-12 GY**	**3200849**	100
	1	18	Red	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 RD**	**3200742**	100
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD**	**3200030**	100
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD -1000**	**3200904**	1000
	1	18	Red	-	16.00	3.00	10.00	0.30	0.15	1.50	**AI 1 -10 RD**	**3200182**	100
	1	18	Red	-	18.00	3.00	12.00	0.30	0.15	1.50	**AI 1 -12 RD**	**3200674**	100
	1.5[1])	16	Black	-	12.00	3.40	6.00	0.30	0.15	1.80	**AI 1,5 - 6 BK**	**3200755**	100
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK**	**3200043**	100
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK -1000**	**3200917**	1000
	1.5	16	Black	-	18.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK**	**3200195**	100
	1.5	16	Black	-	18.50	3.40	12.00	0.30	0.15	1.80	**AI 1,5 -12 BK**	**3201482**	100
	1.5	16	Black	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 BK**	**3200056**	100
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU**	**3200522**	100
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU -1000**	**3200920**	1000
	2.5[1])	14	Blue	-	17.00	4.20	10.00	0.30	0.15	2.30	**AI 2,5 -10 BU**	**3202533**	100
	2.5	14	Blue	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 BU**	**3200962**	100
	2.5	14	Blue	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 BU**	**3200580**	100
	4	12	Gray	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 GY**	**3200535**	100
	4	12	Gray	-	19.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 GY**	**3200959**	100
	4	12	Gray	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 GY**	**3200593**	100
	6	10	Yellow	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 YE**	**3200548**	100
	6	10	Yellow	-	26.00	6.20	18.00	0.30	0.20	3.50	**AI 6 -18 YE**	**3200603**	100
	10	8	Red	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 RD**	**3200551**	100
	10	8	Red	-	28.00	7.50	18.00	0.30	0.20	4.60	**AI 10 -18 RD**	**3200616**	100
	16	6	Blue	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 BU**	**3200564**	100
	16	6	Blue	-	28.00	8.80	18.00	0.40	0.20	5.80	**AI 16 -18 BU**	**3200629**	100
	25	4	Yellow	-	30.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 YE**	**3200577**	50
	25	4	Yellow	-	32.00	11.00	18.00	0.50	0.20	7.30	**AI 25 -18 YE**	**3201505**	50
	25	4	Yellow	-	35.00	11.00	22.00	0.50	0.20	7.30	**AI 25 -22 YE**	**3200700**	50
	35	2	Red	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 RD**	**3200441**	50
	35	2	Red	-	32.00	12.50	18.00	0.50	0.20	8.30	**AI 35 -18 RD**	**3201495**	50
	35	2	Red	-	39.00	12.50	25.00	0.50	0.20	8.30	**AI 35 -25 RD**	**3200713**	50
	50	1/0	Blue	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 BU**	**3200454**	50
	50	1/0	Blue	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50 -25 BU**	**3200726**	25
	70[1])	2	Yellow	-	37.00	16.00	20.00	0.60	0.35	12.70	**AI 70 -20 YE**	**3201848**	25
	95[1])	4	Red	-	44.00	18.00	25.00	0.60	0.35	14.70	**AI 95 -25 RD**	**3201853**	25
	120[1])	5	Blue	-	48.00	21.00	27.00	0.70	0.45	16.70	**AI120 -27 BU**	**3201822**	25

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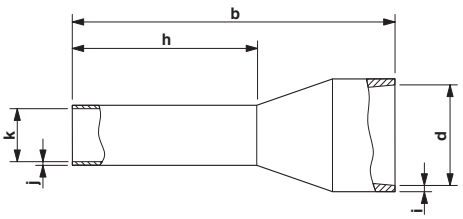
Ferrules with insulating collars in special colors

These ferrules from Phoenix Contact correspond to the dimensions of DIN 46228-4: 1990-09.

The metal insulating sleeves consist of soft electrolytic copper with tin plating.



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For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) These ferrules are not included in DIN 46228-4:1990-09.

General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	Polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, special colors, CSA-certified													
	0.25[1])	24	Blue	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,25- 6 BU**	**3203040**	100
	0.25[1])	24	Blue	-	16.50	2.00	12.00	0.25	0.25	0.80	**AI 0,25-12 BU**	**3200632**	100
	0.34[1])	22	Turquoise	-	10.50	2.00	6.00	0.30	0.15	0.80	**AI 0,34- 6 TQ**	**3203053**	100
	0.34[1])	22	Turquoise	-	12.50	2.00	8.00	0.30	0.15	0.80	**AI 0,34- 8 TQ**	**3203066**	100
	0.34[1])	22	Turquoise	-	16.50	2.00	12.00	0.30	0.20	0.80	**AI 0,34-12 TQ**	**3200645**	100
	0.5	20	Orange	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 OG**	**3201301**	100
	0.5	20	Orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG**	**3201123**	100
	0.75	18	White	-	12.00	2.80	6.00	0.25	0.15	1.30	**AI 0,75- 6 WH**	**3201314**	100
	0.75	18	White	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH**	**3201110**	100
	1	18	Yellow	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 YE**	**3201327**	100
	1	18	Yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 YE**	**3201097**	100
	1.5	16	Red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD**	**3201136**	100
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU**	**3200522**	100
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU -1000**	**3200920**	1000
	2.5	14	Blue	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 BU**	**3200962**	100
	2.5	14	Blue	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 BU**	**3200580**	100
	4	12	Gray	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 GY**	**3200535**	100
	4	12	Gray	-	19.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 GY**	**3200959**	100
	4	12	Gray	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 GY**	**3200593**	100
	6	10	Black	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 BK**	**3201107**	100
	10	8	ivory	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 IV**	**3201068**	100
	16	6	Green	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 GN**	**3201152**	100
	16	6	Green	-	28.00	8.80	18.00	0.40	0.20	5.80	**AI 16 -18 GN**	**3201330**	100
	25	4	Brown	-	30.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 BN**	**3201084**	50
	35	2	beige	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 BE**	**3201071**	50
	50	1/0	olive	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 OL**	**3201178**	50
	95[1])	4	Red	-	44.00	18.00	25.00	0.60	0.35	14.70	**AI 95 -25 RD**	**3201853**	25
	120[1])	5	Blue	-	48.00	21.00	27.00	0.70	0.45	16.70	**AI120 -27 BU**	**3201822**	25

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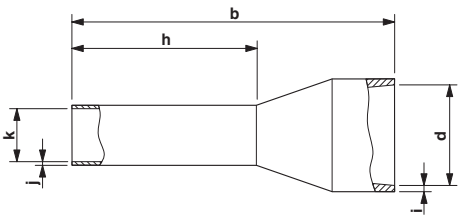
Ferrules with insulating collar with color code in acc. with NF C 63-023

These ferrules correspond to the dimensions of DIN 46228-4: 1990-09. The color code of the plastic insulating collar is based on the French standard NF C 63-023: 1994-02.

The metal insulating sleeves consist of soft electrolytic copper with tin plating.



AI ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) These ferrules are not included in DIN 46228-4:1990-09.

General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

Ordering data

Description	Cross-section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, color code as per NF C 63-023: 1994-02, CSA-certified													
	0.5	20	White	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 WH**	**3200687**	100
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH**	**3200014**	100
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH -1000**	**3200881**	1000
	0.5	20	White	-	16.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 WH**	**3201275**	100
	0.5[1])	20	White	-	18.00	2.50	12.00	0.25	0.15	1.10	**AI 0,5 -12 WH**	**3200506**	100
	0.75	18	Blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU**	**3200027**	100
	1	18	Red	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 RD**	**3200742**	100
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD**	**3200030**	100
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD -1000**	**3200904**	1000
	1	18	Red	-	16.00	3.00	10.00	0.30	0.15	1.50	**AI 1 -10 RD**	**3200182**	100
	1	18	Red	-	18.00	3.00	12.00	0.30	0.15	1.50	**AI 1 -12 RD**	**3200674**	100
	1.5[1])	16	Black	-	12.00	3.40	6.00	0.30	0.15	1.80	**AI 1,5 - 6 BK**	**3200755**	100
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK**	**3200043**	100
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK -1000**	**3200917**	1000
	1.5	16	Black	-	18.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK**	**3200195**	100
	1.5	16	Black	-	18.50	3.40	12.00	0.30	0.15	1.80	**AI 1,5 -12 BK**	**3201482**	100
	1.5	16	Black	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 BK**	**3200056**	100
	2.5	14	Gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 GY**	**3200069**	100
	2.5	14	Gray	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 GY**	**3200205**	100
	2.5	14	Gray	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 GY**	**3200072**	100
	4	12	Orange	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 OG**	**3200085**	100
	4	12	Orange	-	19.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 OG**	**3200438**	100
	4	12	Orange	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 OG**	**3200098**	100
	6	10	Green	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 GN**	**3200108**	100
	6	10	Green	-	26.00	6.20	18.00	0.30	0.20	3.50	**AI 6 -18 GN**	**3200111**	100
	10	8	Brown	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 BN**	**3200124**	100
	10	8	Brown	-	28.00	7.50	18.00	0.30	0.20	4.60	**AI 10 -18 BN**	**3200137**	100
	16	6	ivory	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 IV**	**3201181**	100
	25	4	Black	-	30.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 BK**	**3200412**	50
	25	4	Black	-	35.00	11.00	22.00	0.50	0.20	7.30	**AI 25 -22 BK**	**3200739**	50
	35	2	Red	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 RD**	**3200441**	50
	35	2	Red	-	39.00	12.50	25.00	0.50	0.20	8.30	**AI 35 -25 RD**	**3200713**	50
	50	1/0	Blue	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 BU**	**3200454**	50
	50	1/0	Blue	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50 -25 BU**	**3200726**	25

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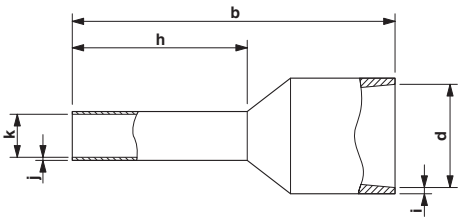
Ferrules for special applications

Ferrules without insulating collar are usually used to crimp short-circuit proof conductors. The function of the plastic sleeve is then often taken over by a shrink fit tubing section.

This complicated process is greatly facilitated by the AI-XL ferrules.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

AI-XL ...

General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	1.5	16	Black	-	17.50	7.00	8.00	0.30	0.15	1.80	**AI-XL 1,5- 8 BK**	**3201916**	100
	1.5	16	Black	-	19.50	7.00	10.00	0.30	0.15	1.80	**AI-XL 1,5-10 BK**	**3201974**	100
	2.5	14	Blue	-	17.50	7.90	8.00	0.30	0.15	2.30	**AI-XL 2,5- 8 BU**	**3201929**	100
	2.5	14	Blue	-	21.50	7.90	12.00	0.30	0.15	2.30	**AI-XL 2,5-12 BU**	**3201987**	100
	4	12	Gray	-	19.50	7.90	10.00	0.30	0.20	2.90	**AI-XL 4 -10 GY**	**3201932**	100
	6	10	Yellow	-	23.00	8.70	12.00	0.30	0.20	3.60	**AI-XL 6 -12 YE**	**3201945**	100
	10	8	Red	-	24.00	10.20	12.00	0.30	0.20	4.60	**AI-XL 10 -12 RD**	**3201958**	100
	16	6	Blue	-	25.50	12.50	12.00	0.40	0.20	6.00	**AI-XL 16 -12 BU**	**3201961**	100

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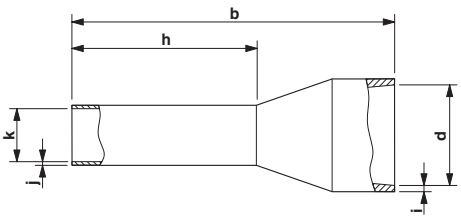
Ferrules for special applications

Conductors with thicker insulation can be crimped in a practical manner using AI ...-GB ferrules. Due to the increased diameter of the insulating collar, this type of ferrule is mainly used in AWG conductors.



AI ...-GB

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeves, CSA-certified													
	0.5	20	White	-	13.50	3.00	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-GB**	**1208966**	500
	0.5	20	White	-	15.50	3.00	10.00	0.25	0.15	1.10	**AI 0,5-10 WH-GB**	**3203150**	100
	0.75	18	Gray	-	14.00	3.40	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-GB**	**1208979**	500
	0.75	18	Gray	-	16.00	3.40	10.00	0.25	0.15	1.30	**AI 0,75-10 GY-GB**	**3203163**	100
	1	18	Red	-	14.00	3.40	8.00	0.30	0.15	1.50	**AI 1 - 8 RD-GB**	**1208982**	500
	1	18	Red	-	16.00	3.40	10.00	0.30	0.15	1.50	**AI 1 -10 RD/1000 GB**	**1208869**	1000
	1.5	16	Black	-	14.00	3.70	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK-GB-1000**	**3202892**	1000
	1.5	16	Black	-	16.00	3.70	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK/1000 GB**	**1208872**	1000

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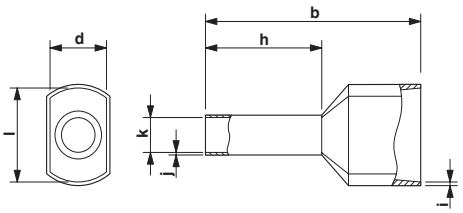
Ferrules for special applications

The TWIN ferrules are a practical way of crimping two conductors in one ferrule. Chain bridges are easy to make using these special ferrules.

Different versions of the single TWIN ferrules are available for individual applications.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

AI-TWIN 2X...

General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	Polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] b	d	h	i	j	k	l	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	2 x 0.5	2 x 20	White	15.00	2.50	8.00	0.25	0.15	1.50	4.70	**AI-TWIN 2X 0,5 - 8 WH**	**3200933**	100
	2 x 0.75	2 x 18	Gray	15.00	2.80	8.00	0.25	0.15	1.80	5.00	**AI-TWIN 2X 0,75- 8 GY**	**3200807**	100
	2 x 0.75	2 x 18	Gray	17.00	2.80	10.00	0.25	0.15	1.80	5.00	**AI-TWIN 2X 0,75-10 GY**	**3200975**	100
	2 x 1	2 x 18	Red	15.00	3.40	8.00	0.30	0.15	2.05	5.40	**AI-TWIN 2X 1 - 8 RD**	**3200810**	100
	2 x 1	2 x 18	Red	17.00	3.40	10.00	0.30	0.15	2.05	5.40	**AI-TWIN 2X 1 -10 RD**	**3200988**	100
	2 x 1.5	2 x 16	Black	16.00	3.60	8.00	0.30	0.15	2.30	6.60	**AI-TWIN 2X 1,5 - 8 BK**	**3200823**	100
	2 x 1.5	2 x 16	Black	20.00	3.60	12.00	0.30	0.15	2.30	6.60	**AI-TWIN 2X 1,5 -12 BK**	**3200991**	100
	2 x 2.5	2 x 14	Blue	18.50	4.20	10.00	0.30	0.20	2.90	7.80	**AI-TWIN 2X 2,5 -10 BU**	**3200836**	100
	2 x 2.5	2 x 14	Blue	21.50	4.20	13.00	0.30	0.20	2.90	7.80	**AI-TWIN 2X 2,5 -13 BU**	**3200878**	100
	2 x 4	2 x 12	Gray	23.00	4.90	12.00	0.30	0.20	3.80	8.80	**AI-TWIN 2X 4 -12 GY**	**3201000**	100
	2 x 6	2 x 10	Yellow	25.00	5.90	14.00	0.40	0.20	4.90	10.00	**AI-TWIN 2X 6 -14 YE**	**3201013**	100
	2 x 10	2 x 8	Red	26.00	7.20	14.00	0.40	0.20	6.50	13.00	**AI-TWIN 2X10 -14 RD**	**3201026**	100
	2 x 16	2 x 6	Blue	31.00	8.80	16.00	0.50	0.20	8.50	16.60	**AI-TWIN 2X16 -16 BU**	**3202847**	50

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Assortment boxes for ferrules

AI ... SORTI BOX ...

The practical AI SORTI BOXES make sure your workshop is tidy. The color marking and the transparent cover facilitate fast access to the required ferrules.

With the integrated euro clip they can be hung up on perforated board walls, for example, to save space.

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Sorti-box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI 0,5-8 WH, AI 2,5-8 BU, 100 pcs. each of AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK	Red	**AI SORTI BOX RD**	**3202960**	1
Sorti-box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 50 pcs. of AI 4-10 GY, 20 pcs. each of AI 6-12 YE, AI 10-12 RD, 10 pcs. of AI 16-12 BU	Anthracite	**AI SORTI BOX ANT**	**3202973**	1
Sorti-box, equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI-TWIN 2x0,5-8 WH, AI-TWIN 2x0,75-8 GY, AI-TWIN 2x1-8 RD, AI-TWIN 2x1,5-8 BK 25 pcs.of AI-TWIN 2x2,5-10 BU	Blue	**AI-TWIN SORTI BOX BU**	**3202986**	1
Sorti-box, equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 20 pcs. of AI-TWIN 2x4-12 GY, 10 pcs. each of AI-TWIN 2x6-14 YE, AI-TWIN 2x10-14 RD	Gray	**AI-TWIN SORTI BOX GY**	**3202999**	1
Assortment box, empty, with five compartments	Light gray	**AI SORTI BOX-E LGY**	**3203008**	10

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Tool sets

We have compiled a few attractive tool sets for you from the comprehensive range of professional tools. You can find the special sets in the individual tool pages as well, e.g. screwdrivers, refer to page 645.

CRIMPSET ...

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Range box, made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 500 pieces each of AI 0,25-6 YE, AI 0,34-6 TQ, AI 0,5-8 WH, AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK, 300 pieces of AI 2,5-8 BU, 200 pieces of AI 4-10 GY, 100 pieces of AI 6-12 YE as well as stripping tool for wires and conductors of up to 6 mm² Crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 - 6 mm², front insertion, trapezoidal crimp		**CRIMPSET 6**	**1202072**	1
Range box, made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 300 pieces of AI 10-12 RD, 200 pieces of AI 16-12 BU, 100 pieces of AI 25-16 YE as well as stripping tool, for stripping wires of 4.5 - 40 mm, Crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm², lateral insertion, WM crimp		**CRIMPSET 25**	**1202580**	1
Assortment box, metal, no components mounted		**CRIMPSET 6/25 LEER**	**1204041**	1

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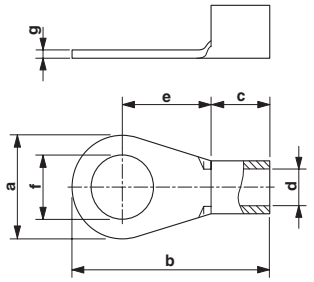
Ring cable lugs, non-isolated

The ring cable lugs without plastic sleeves from Phoenix Contact consist of high-quality electrolyte copper with tin plating in order to ensure maximum corrosion resistance. The hard-soldered crimping zone enables maximum conductor pull-out forces.

Cable lugs larger than 150 mm² see www.phoenixcontact.net/eshop.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

C-RC ...

General data	
Material / coating	Copper / tin-plated
Temperature range [°C]	- ... 110

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Ring cable lug, non-isolated, as per DIN 46234													
	1	18	Silver	6.00	14.00	5.00	1.60	6.00	2.80	0.80	**C-RC 1/M2,5 DIN**	**3240069**	100
	1	18	Silver	6.00	14.00	5.00	1.60	6.00	3.20	0.80	**C-RC 1/M3 DIN**	**3240070**	100
	1	18	Silver	6.00	14.00	5.00	1.60	6.00	3.70	0.80	**C-RC 1/M3,5 DIN**	**3240071**	100
	1	18	Silver	8.00	16.00	5.00	1.60	7.00	4.30	0.80	**C-RC 1/M4 DIN**	**3240072**	100
	1	18	Silver	10.00	18.00	5.00	1.60	8.00	5.30	0.80	**C-RC 1/M5 DIN**	**3240073**	100
	1	18	Silver	10.00	18.00	5.00	1.60	8.00	6.50	0.80	**C-RC 1/M6 DIN**	**3240074**	100
	1	18	Silver	14.00	22.00	5.00	1.60	12.00	8.40	0.80	**C-RC 1/M8 DIN**	**3240075**	100
	2.5	14	Silver	6.00	14.00	5.00	2.30	6.00	3.20	0.80	**C-RC 2,5/M3 DIN**	**3240076**	100
	2.5	14	Silver	6.00	14.00	5.00	2.30	6.00	3.70	0.80	**C-RC 2,5/M3,5 DIN**	**3240077**	100
	2.5	14	Silver	8.00	16.00	5.00	2.30	7.00	4.30	0.80	**C-RC 2,5/M4 DIN**	**3240078**	100
	2.5	14	Silver	10.00	19.00	5.00	2.30	9.00	5.30	0.80	**C-RC 2,5/M5 DIN**	**3240079**	100
	2.5	14	Silver	11.00	21.50	5.00	2.30	11.00	6.50	0.80	**C-RC 2,5/M6 DIN**	**3240080**	100
	2.5	14	Silver	14.00	24.00	5.00	2.30	12.00	8.40	0.80	**C-RC 2,5/M8 DIN**	**3240081**	100
	2.5	14	Silver	14.00	25.40	5.00	2.30	12.00	10.50	0.80	**C-RC 2,5/M10 DIN**	**3240082**	100
	6	10	Silver	8.00	17.50	6.00	3.60	8.00	4.30	1.00	**C-RC 6/M4 DIN**	**3240083**	50
	6	10	Silver	10.00	20.00	6.00	3.60	9.00	5.30	1.00	**C-RC 6/M5 DIN**	**3240084**	50
	6	10	Silver	11.00	22.00	6.00	3.60	10.00	6.50	1.00	**C-RC 6/M6 DIN**	**3240085**	50
	6	10	Silver	14.00	26.00	6.00	3.60	13.00	8.40	1.00	**C-RC 6/M8 DIN**	**3240086**	50
	6	10	Silver	18.00	30.00	6.00	3.60	15.00	10.50	1.00	**C-RC 6/M10 DIN**	**3240087**	50
	6	10	Silver	18.00	35.50	6.00	3.60	15.00	13.00	1.00	**C-RC 6/M12 DIN**	**3240088**	50
	10	8	Silver	10.00	21.00	8.00	4.50	8.00	5.30	1.10	**C-RC 10/M5 DIN**	**3240089**	100
	10	8	Silver	11.00	23.00	8.00	4.50	9.00	6.50	1.10	**C-RC 10/M6 DIN**	**3240090**	100
	10	8	Silver	14.00	27.00	8.00	4.50	12.00	8.40	1.10	**C-RC 10/M8 DIN**	**3240091**	100
	10	8	Silver	18.00	30.00	8.00	4.50	13.00	10.50	1.10	**C-RC 10/M10 DIN**	**3240092**	100
	10	8	Silver	22.00	34.00	8.00	4.50	15.00	13.00	1.10	**C-RC 10/M12 DIN**	**3240093**	100
	16	6	Silver	11.00	26.00	10.00	5.80	10.00	5.30	1.10	**C-RC 16/M5 DIN**	**3240094**	100
	16	6	Silver	11.00	26.00	10.00	5.80	10.00	6.50	1.20	**C-RC 16/M6 DIN**	**3240095**	100
	16	6	Silver	14.00	29.00	10.00	5.80	12.00	8.40	1.20	**C-RC 16/M8 DIN**	**3240096**	100
	16	6	Silver	18.00	33.00	10.00	5.80	14.00	10.50	1.20	**C-RC 16/M10 DIN**	**3240097**	100
	16	6	Silver	22.00	37.00	10.00	5.80	16.00	13.00	1.20	**C-RC 16/M12 DIN**	**3240098**	100
	25	4	Silver	12.00	31.00	11.00	7.50	14.00	5.30	1.50	**C-RC 25/M5 DIN**	**3240099**	100
	25	4	Silver	12.00	31.00	11.00	7.50	14.00	6.50	1.50	**C-RC 25/M6 DIN**	**3240100**	100
	25	4	Silver	16.00	33.00	11.00	7.50	14.00	8.40	1.50	**C-RC 25/M8 DIN**	**3240101**	100
	25	4	Silver	18.00	35.00	11.00	7.50	15.00	10.50	1.50	**C-RC 25/M10 DIN**	**3240102**	100
	25	4	Silver	31.00	42.00	11.00	7.50	20.00	13.00	1.50	**C-RC 25/M12 DIN**	**3240103**	100
	25	4	Silver	35.00	49.00	11.00	7.50	25.00	17.00	1.50	**C-RC 25/M16 DIN**	**3240104**	100
	35	2	Silver	15.00	34.00	12.00	9.00	14.00	6.50	1.60	**C-RC 35/M6 DIN**	**3240105**	100
	35	2	Silver	16.00	34.00	12.00	9.00	14.00	8.40	1.60	**C-RC 35/M8 DIN**	**3240106**	100
	35	2	Silver	18.00	36.00	12.00	9.00	15.00	10.50	1.60	**C-RC 35/M10 DIN**	**3240107**	100
	35	2	Silver	22.00	42.00	12.00	9.00	19.00	13.00	1.60	**C-RC 35/M12 DIN**	**3240108**	100
	35	2	Silver	28.00	50.00	12.00	9.00	24.00	17.00	1.60	**C-RC 35/M16 DIN**	**3240109**	100
	50	1/0	Silver	18.00	43.00	16.00	11.00	18.00	6.50	1.80	**C-RC 50/M6 DIN**	**3240110**	100
	50	1/0	Silver	18.00	43.00	16.00	11.00	18.00	8.40	1.80	**C-RC 50/M8 DIN**	**3240111**	100
	50	1/0	Silver	18.00	43.00	16.00	11.00	18.00	10.50	1.80	**C-RC 50/M10 DIN**	**3240112**	100
	50	1/0	Silver	22.00	47.00	16.00	11.00	20.00	13.00	1.80	**C-RC 50/M12 DIN**	**3240113**	100
	50	1/0	Silver	28.00	54.00	16.00	11.00	24.00	17.00	1.80	**C-RC 50/M16 DIN**	**3240114**	100
	70	2/0	Silver	22.00	49.00	18.00	13.00	20.00	6.50	2.00	**C-RC 70/M6 DIN**	**3240115**	100
	70	2/0	Silver	22.00	49.00	18.00	13.00	20.00	8.40	2.00	**C-RC 70/M8 DIN**	**3240116**	100
	70	2/0	Silver	22.00	49.00	18.00	13.00	20.00	10.50	2.00	**C-RC 70/M10 DIN**	**3240117**	100
	95	3/0	Silver	24.00	54.00	20.00	15.00	22.00	8.40	2.50	**C-RC 95/M8 DIN**	**3240120**	100
	95	3/0	Silver	24.00	54.00	20.00	15.00	22.00	10.50	2.50	**C-RC 95/M10 DIN**	**3240121**	50
	95	3/0	Silver	24.00	54.00	20.00	15.00	22.00	13.00	2.50	**C-RC 95/M12 DIN**	**3240122**	50
	120	250	Silver	24.00	56.00	22.00	16.50	22.00	8.40	3.00	**C-RC 120/M8 DIN**	**3240124**	25
	120	250	Silver	24.00	56.00	22.00	16.50	22.00	10.50	3.00	**C-RC 120/M10 DIN**	**3240125**	25
	120	250	Silver	24.00	56.00	22.00	16.50	22.00	13.00	3.00	**C-RC 120/M12 DIN**	**3240126**	25
	150	300	Silver	30.00	65.00	24.00	19.00	26.00	10.50	3.20	**C-RC 150/M10 DIN**	**3240128**	25
	150	300	Silver	30.00	65.00	24.00	19.00	26.00	13.00	3.20	**C-RC 150/M12 DIN**	**3240129**	25
	150	300	Silver	30.00	65.00	24.00	19.00	26.00	17.00	3.20	**C-RC 150/M16 DIN**	**3240130**	25

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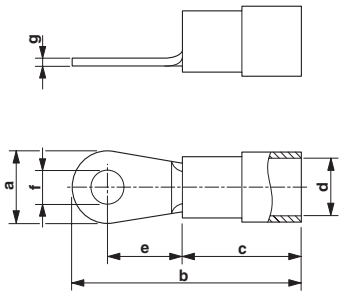
Ring cable lugs, isolated

The isolated ring cable lugs with plastic sleeves from Phoenix Contact are hard-soldered and are equipped with the 'EASY ENTRY' system. The sleeves taper to a point, thus enabling an easy and correct conductor entry.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

C-RCI ...

General data	
Material / coating	Copper / tin-plated
Temperature range [°C]	-20 ... 105

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Ring cable lug, isolated as per UL													
	1.5	16	Red	5.50	17.50	10.50	4.10	4.30	3.20	0.75	**C-RCI 1,5/M3**	**3240016**	100
	1.5	16	Red	5.50	17.50	10.50	4.10	4.30	3.70	0.75	**C-RCI 1,5/M3,5**	**3240017**	100
	1.5	16	Red	8.00	21.70	10.50	4.10	7.30	4.30	0.75	**C-RCI 1,5/M4**	**3240018**	100
	1.5	16	Red	8.00	21.70	10.50	4.10	7.30	5.30	0.75	**C-RCI 1,5/M5**	**3240019**	100
	1.5	16	Red	11.60	27.60	10.50	4.10	11.20	6.50	0.75	**C-RCI 1,5/M6**	**3240020**	100
	2.5	14	Blue	6.60	20.60	11.00	4.50	7.80	3.20	0.80	**C-RCI 2,5/M3**	**3240021**	100
	2.5	14	Blue	6.60	20.60	11.00	4.50	6.30	3.70	0.80	**C-RCI 2,5/M3,5**	**3240022**	100
	2.5	14	Blue	8.50	23.00	11.00	4.50	7.80	4.30	0.80	**C-RCI 2,5/M4**	**3240023**	100
	2.5	14	Blue	9.50	23.00	11.00	4.50	7.30	5.30	0.80	**C-RCI 2,5/M5**	**3240024**	100
	2.5	14	Blue	12.00	28.10	11.00	4.50	11.00	6.50	0.80	**C-RCI 2,5/M6**	**3240025**	50
	2.5	14	Blue	12.00	28.10	11.00	4.50	11.00	8.50	0.80	**C-RCI 2,5/M8**	**3240026**	50
	6	14	Yellow	9.50	26.70	14.00	6.60	8.00	4.30	1.00	**C-RCI 6/M4**	**3240027**	50
	6	10	Yellow	9.50	26.70	14.00	6.60	8.00	5.30	1.00	**C-RCI 6/M5**	**3240028**	50
	6	10	Yellow	12.00	32.70	14.00	6.60	12.70	6.50	1.00	**C-RCI 6/M6**	**3240029**	25
	6	10	Yellow	15.00	34.90	14.00	6.60	13.40	8.50	1.00	**C-RCI 6/M8**	**3240030**	25
	6	10	Yellow	15.00	34.90	14.00	6.60	13.40	10.50	1.00	**C-RCI 6/M10**	**3240031**	25
	10	8	Red	10.00	31.30	16.00	7.50	10.90	5.30	1.10	**C-RCI 10/M5**	**3240219**	50
	10	8	Red	11.00	31.30	16.00	7.50	19.30	6.50	1.10	**C-RCI 10/M6**	**3240220**	50
	10	8	Red	14.00	37.30	16.00	7.50	13.80	8.40	1.10	**C-RCI 10/M8**	**3240221**	50
	10	8	Red	18.00	37.30	16.00	7.50	13.80	10.50	1.10	**C-RCI 10/M10**	**3240222**	50

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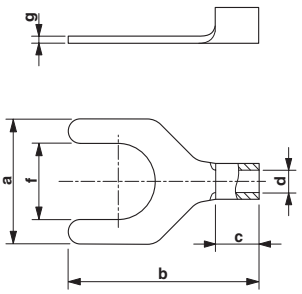
Fork-type cable lugs, non-isolated and isolated

The ring cable lugs without plastic sleeves from Phoenix Contact have a hard-soldered neck and attain maximum conductor pull-out forces in connection with the CRIMPFOX RC /...RCI pliers. The isolated variants are halogen-free and are equipped with "EASY ENTRY".



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

C-FC ... / C-FCI ...

General data	
Material / coating	Copper / tin-plated
Temperature range [°C]	- ... 110

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Fork-type cable lug, non-isolated DIN 46234													
	1.5	16	Silver	5.70	16.00	4.50	1.90	7.20	3.20	0.75	**C-FC 1,5/M3**	**3240137**	100
	1.5	16	Silver	6.20	16.00	4.50	1.90	7.20	3.70	0.75	**C-FC 1,5/M3,5**	**3240138**	100
	1.5	16	Silver	7.20	16.00	4.50	1.90	7.20	4.30	0.75	**C-FC 1,5/M4**	**3240139**	100
	1.5	16	Silver	8.00	16.00	4.50	1.90	6.50	5.30	0.75	**C-FC 1,5/M5**	**3240140**	100
	1.5	16	Silver	10.70	17.00	4.50	1.90	8.00	6.40	0.80	**C-FC 1,5/M6**	**3240141**	100
	2.5	14	Silver	5.70	16.00	4.80	2.50	6.50	3.20	0.80	**C-FC 2,5/M3**	**3240142**	100
	2.5	14	Silver	6.20	16.00	4.80	2.50	6.50	3.70	0.80	**C-FC 2,5/M3,5**	**3240143**	100
	2.5	14	Silver	7.20	16.00	4.80	2.50	6.50	4.30	0.80	**C-FC 2,5/M4**	**3240144**	100
	2.5	14	Silver	8.00	16.00	4.80	2.50	6.50	5.30	0.80	**C-FC 2,5/M5**	**3240145**	100
	2.5	14	Silver	10.70	17.00	4.80	2.50	7.60	6.40	0.80	**C-FC 2,5/M6**	**3240146**	100
	2.5	14	Silver	13.50	22.10	4.80	2.50	7.60	8.40	0.80	**C-FC 2,5/M8**	**3240147**	100
	6	10	Silver	8.20	19.50	6.50	3.60	7.60	4.30	1.00	**C-FC 6/M4**	**3240148**	50
	6	10	Silver	9.00	19.50	6.50	3.60	8.00	5.30	1.00	**C-FC 6/M5**	**3240149**	50
	6	10	Silver	12.00	23.10	6.50	3.60	9.50	6.40	1.00	**C-FC 6/M6**	**3240150**	50
	6	10	Silver	13.50	25.00	6.50	3.60	12.00	8.40	1.00	**C-FC 6/M8**	**3240151**	50
Fork-type cable lug, isolated as per UL													
	1.5	16	Red	5.70	22.00	10.50	4.10	7.20	3.20	0.75	**C-FCI 1,5/M3**	**3240032**	100
	1.5	16	Red	5.70	22.00	10.50	4.10	7.20	3.70	0.75	**C-FCI 1,5/M3,5**	**3240033**	100
	1.5	16	Red	7.20	22.00	10.50	4.10	7.20	4.30	0.75	**C-FCI 1,5/M4**	**3240034**	100
	1.5	16	Red	8.00	22.00	10.50	4.10	6.50	5.30	0.75	**C-FCI 1,5/M5**	**3240035**	100
	1.5	16	Red	10.70	22.00	10.50	4.10	8.00	6.50	0.75	**C-FCI 1,5/M6**	**3240036**	100
	2.5	14	Blue	5.70	22.50	11.00	4.50	6.50	3.20	0.80	**C-FCI 2,5/M3**	**3240037**	100
	2.5	14	Blue	5.70	22.50	11.00	4.50	6.50	3.70	0.80	**C-FCI 2,5/M3,5**	**3240038**	100
	2.5	14	Blue	7.20	22.50	11.00	4.50	6.50	4.30	0.80	**C-FCI 2,5/M4**	**3240039**	100
	2.5	14	Blue	8.00	22.50	11.00	4.50	6.50	5.30	0.80	**C-FCI 2,5/M5**	**3240040**	50
	2.5	14	Blue	10.70	22.50	11.00	4.50	7.60	6.50	0.80	**C-FCI 2,5/M6**	**3240041**	50
	6	10	Yellow	8.20	26.70	14.00	6.60	7.50	4.30	1.00	**C-FCI 6/M4**	**3240042**	50
	6	10	Yellow	9.00	26.70	14.00	6.60	8.00	5.30	1.00	**C-FCI 6/M5**	**3240043**	50
	6	10	Yellow	12.00	30.30	14.00	6.60	9.90	6.50	1.00	**C-FCI 6/M6**	**3240044**	25
	6	10	Yellow	13.50	32.80	14.00	6.60	11.50	8.50	1.00	**C-FCI 6/M8**	**3240045**	25

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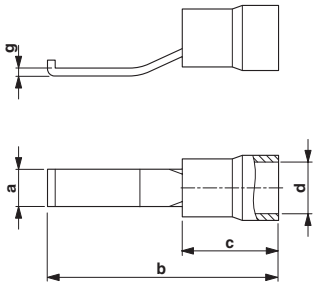
Flat pin cable lugs, isolated

The isolated flat pin cable lugs with plastic sleeves from Phoenix Contact are impressive thanks to the following:
– "EASY ENTRY" easy and safe conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytically tin-plated
– Free from halogen



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

C-BCI ...

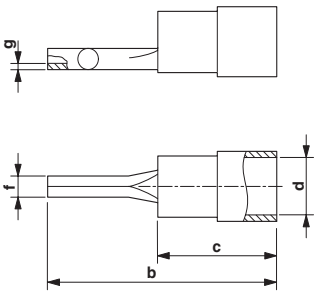
General data		
Material / coating		Copper / tin-plated
Temperature range	[°C]	-20 ... 105

Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Flat pin cable lug, insulated													
	1.5	16	Red	2.80	28.00	10.50	4.00	-	-	0.80	**C-BCI 1,5/2,8**	**3240015**	100
	2.5	14	Blue	2.80	28.50	11.00	4.50	-	-	0.80	**C-BCI 2,5/2,8**	**3240046**	100
	6	10	Yellow	2.80	32.00	14.00	6.50	-	-	0.80	**C-BCI 6/2,8**	**3240047**	50

Pin cable lugs, isolated

The isolated pin cable lugs with plastic sleeves from Phoenix Contact are impressive thanks to the following:
– "EASY ENTRY" easy and safe conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytically tin-plated
– Free from halogen



C-PCI ...

General data		
Material / coating		Copper / tin-plated
Temperature range	[°C]	-20 ... 105

Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Pin cable lug, isolated as per UL													
	1.5	16	Red	-	22.50	10.50	4.10	-	2.00	0.75	**C-PCI 1,5/2**	**3240064**	100
	2.5	14	Blue	-	23.00	11.00	4.50	-	2.00	0.80	**C-PCI 2,5/2**	**3240066**	100
	6	10	Yellow	-	27.50	14.00	6.60	-	2.70	0.80	**C-PCI 6/2,7**	**3240068**	50

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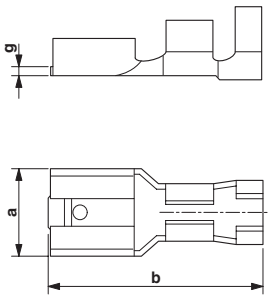
Slip-on sleeves and flat connectors, non-insulated

The non-isolated slip-on sleeves and flat connectors are made of electrolytically tin-plated brass and supplement the product range in the field of connectors.



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C-SCF ... / C-SCM ...

General data		
Material / coating		Copper / tin-plated
Temperature range	[°C]	- ... 110

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Slip-on sleeve, non-isolated as per DIN 46247													
	1	18	Silver	2.80	14.50	-	-	-	-	0.30	**C-SCF 1/2,8X0,5**	**3240152**	100
	1	18	Silver	2.80	12.50	-	-	-	-	0.30	**C-SCF 1/2,8X0,8**	**3240153**	100
	1.5	16	Silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 1,5/4,8X0,5**	**3240154**	100
	1.5	16	Silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 1,5/4,8X0,8**	**3240155**	100
	1.5	16	Silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 1,5/6,3X0,8**	**3240156**	100
	2.5	14	Silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 2,5/4,8X0,5**	**3240157**	100
	2.5	14	Silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 2,5/4,8X0,8**	**3240158**	100
	2.5	14	Silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 2,5/6,3X0,8**	**3240159**	100
	6	10	Silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 6/6,3X0,8**	**3240160**	100
Flat connector, non-isolated as per DIN 46248													
	1.5	16	Silver	6.30	20.00	-	-	-	-	0.40	**C-SCM 1,5/6,3X0,8**	**3240161**	100
	2.5	14	Silver	6.30	20.00	-	-	-	-	0.40	**C-SCM 2,5/6,3X0,8**	**3240162**	100

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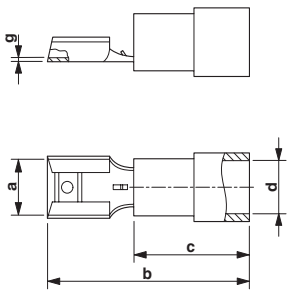
Slip-on sleeves and flat connectors, insulated

The isolated flat connectors and slip-on sleeves with plastic sleeves from Phoenix Contact are impressive thanks to the following:

– "EASY ENTRY" easy and safe conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytically tin-plated
– Free from halogen



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

C-SCFI ... / C-SCMI ...

General data		
Material / coating		Copper / tin-plated
Temperature range	[°C]	-20 ... 105

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Slip-on sleeve, isolated as per UL													
	1.5	16	Red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,5**	**3240048**	100
	1.5	16	Red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,8**	**3240049**	100
	1.5	16	Red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,5**	**3240050**	100
	1.5	16	Red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,8**	**3240051**	100
	1.5	16	Red	6.30	21.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/6,3X0,5**	**3240052**	100
	2.5	14	Blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,5**	**3240053**	50
	2.5	14	Blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,8**	**3240054**	50
	2.5	14	Blue	6.30	22.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/6,3X0,8**	**3240055**	50
	6	10	Yellow	6.30	25.00	14.00	6.60	-	-	0.40	**C-SCFI 6/6,3X0,8**	**3240056**	50
Flat connector, isolated as per UL													
	1.5	16	Red	6.30	22.00	10.50	4.10	-	-	0.40	**C-SCMI 1,5**	**3240058**	100
	2.5	14	Blue	6.30	22.50	11.00	4.50	-	-	0.40	**C-SCMI 2,5**	**3240059**	50
	6	10	Yellow	6.30	24.50	14.00	6.60	-	-	0.40	**C-SCMI 6**	**3240060**	50

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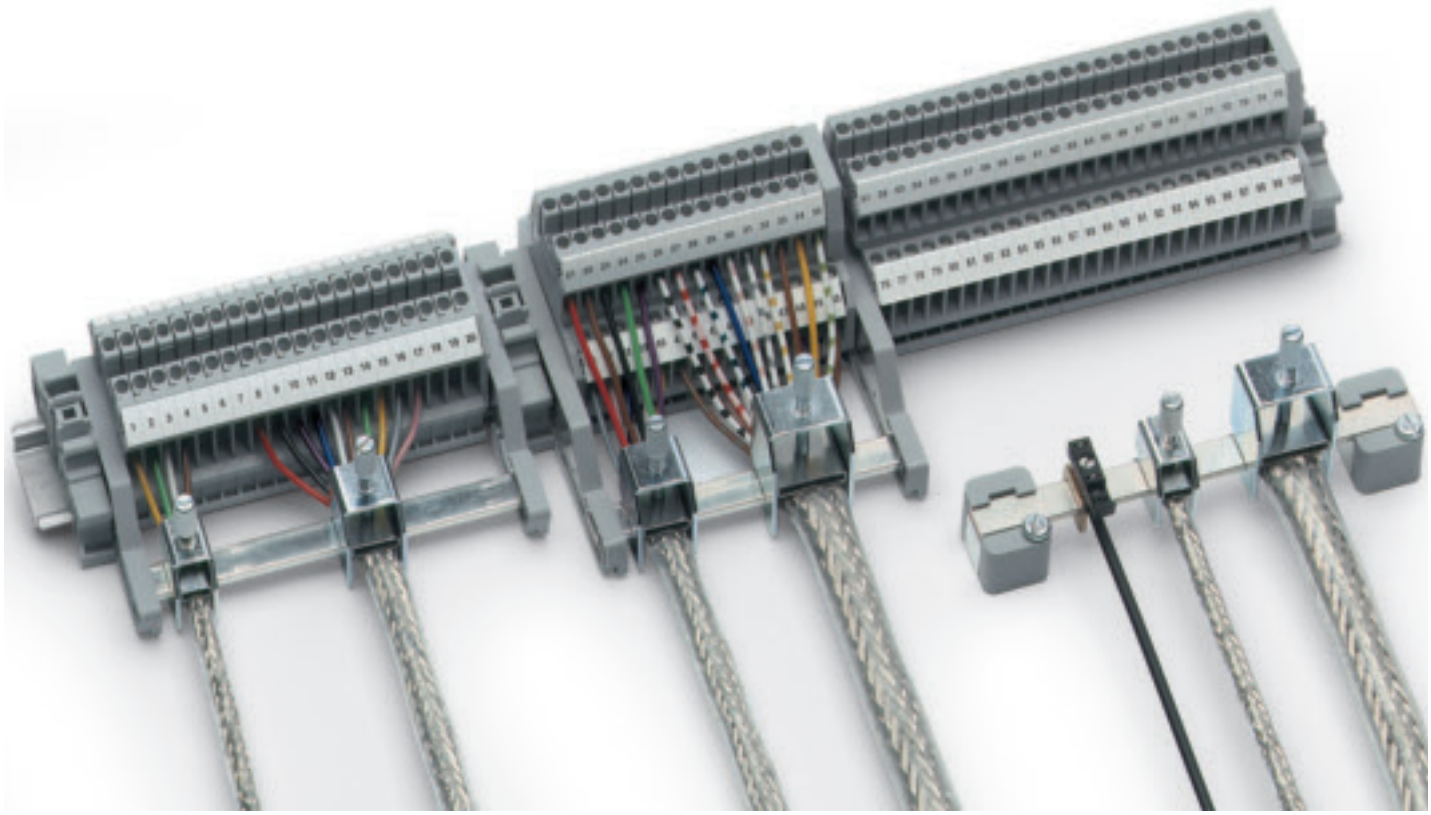
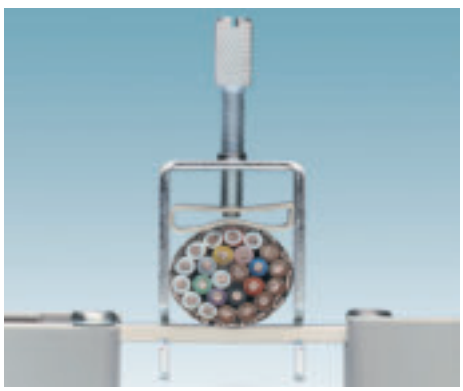
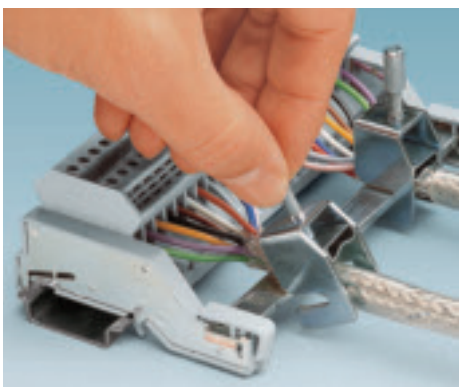




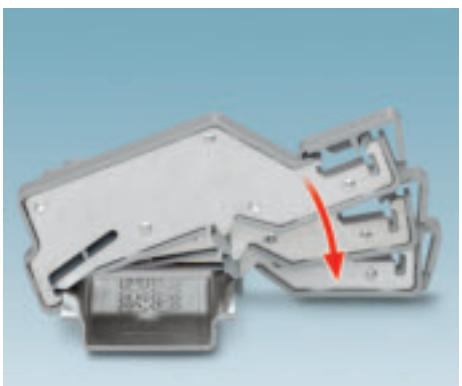
Large-surface shield

Shield clamps from Phoenix Contact are suitable for all conventional cable shields and enable EMC-compliant wiring through extensive surfaces as well as low-impedance and low-ohmic contact transitions.



Simple assembly

Shield clamps from Phoenix Contact provide optimum wiring convenience. The shield clamp is mounted by simply swiveling and turning the knurled screw only after the terminal strip is wired.



Safe contact

Supports for shield clamps from Phoenix Contact are simply snapped onto the DIN rail. The ground potential is automatically connected to the busbar with the help of the integrated contact metals.

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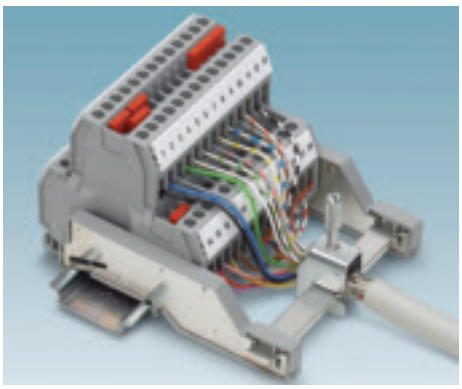
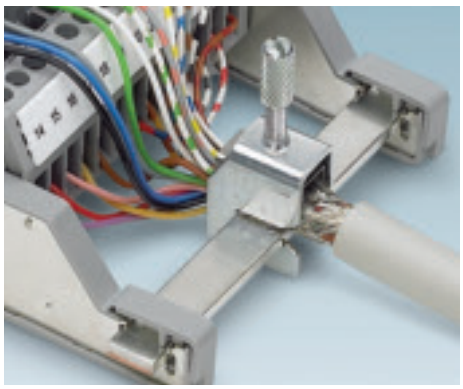
Conductors with a diameter of 2 ... 35 mm can be optimally contacted with the SK series shield clamps without using special auxiliary tools.

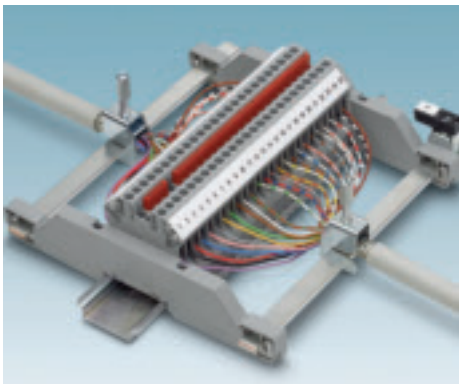


The shield supports AB-SK... connect the ground potential of the DIN rail to the neutral busbar via integrated metal plates.

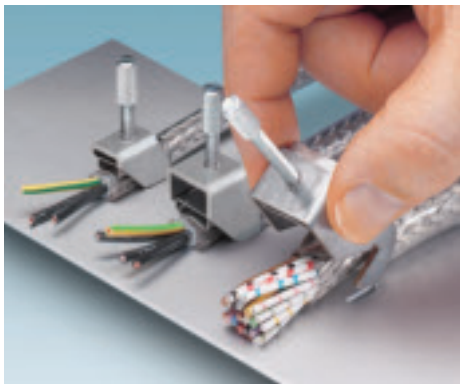


The braided shield is often connected to the ground potential of the system. Large surfaces for guiding the ground potential reduce the emitted interference and the effect of the antenna.

The 3 x 10 mm neutral busbar can also be snapped into the contact zone quickly and reliably. The ground potential is thus automatically connected to the busbar.

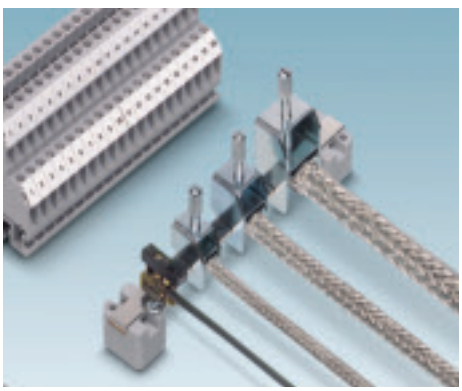


The double support enables easy handling with optimum EMC properties for the two-sided contact area of a shielded conductor. Either an insulated or a grounded structure can be set up.

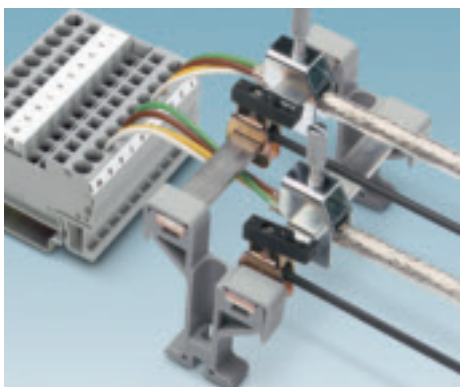


With a similar structure to the SK series, shields with SK ...-D terminal blocks can be directly mounted on the mounting plate or the backplane. The terminal blocks are simply swung-in into two elongated holes above the conductor.

Supports with lateral metal inlay for neutral busbars or T-shaped compact supports AB-SK/E are used for free positioning of shield clamps on the mounting plate.



The shielding can be connected with the ground potential also after insulating it against the protective earth. Here, appropriate contact is established with the neutral busbar using a pick-off terminal block.



Terminal blocks with a front connection can be most easily wired using higher supports. Therefore, even multi-level terminal blocks can be connected with short wiring paths in an EMC-compliant manner.

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Shield clamps SK ...

Shield clamps of the SK series optimally make contact with shielded conductors either using a busbar or directly on a mounting plate.

For dimensional drawings, see page 682.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

SK ...

SK ...-D

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Shield terminal block, for applying the shield to busbars, contact resistance < 1 mΩ							
Ø 2-5 mm, tightening torque 0.4 Nm	Silver	**SK 5**	**3025338**	10			
Ø 3-8 mm, tightening torque 0.6 Nm	Silver	**SK 8**	**3025163**	10			
Ø 3-14 mm, tightening torque 0.8 Nm	Silver	**SK 14**	**3025176**	10			
Ø 5-20 mm, tightening torque 0.8 Nm	Silver	**SK 20**	**3025189**	10			
Ø 5-28 mm, 1 Nm torque	Silver	**SK 28**	**3026997**	10			
Ø 20-35 mm, tightening torque 1.5-1.8 Nm	Silver	**SK 35**	**3026463**	10			
Shield connection clamp, for applying the shield directly to the conductive mounting plates, plate thickness 1-2 mm							
Ø 2-5 mm, tightening torque 0.4 Nm	Silver				**SK 5-D**	**3025406**	10
Ø 3-8 mm, tightening torque 0.6 Nm	Silver				**SK 8-D**	**3026861**	10
Ø 3-14 mm, tightening torque 0.8 Nm	Silver				**SK 14-D**	**3026874**	10
Ø 5-20 mm, tightening torque 0.8 Nm	Silver				**SK 20-D**	**3026887**	10
Ø 5-28 mm, 1 Nm torque	Silver				**SK 28-D**	**3027006**	10
Ø 20-35 mm, tightening torque 1.5-1.8 Nm	Silver				**SK 35-D**	**3026890**	10

Accessories

Support, for mounting on NS 35..., for 10 x 3 mm busbars		**AB-SK**	**3025341**	10			
		AB-SK 65	**3026489**	10			
Double support, for mounting on NS 35..., direct contact with NS 35..., to accommodate 3 x 10 mm busbars		**AB-SK 65-D**	**3026900**	10			
Double support, for mounting on NS 35..., no contact with NS 35..., for accommodation of 3 x 10 mm busbars		**AB-SK 65-D ISOLATED**	**3040889**	10			
Support, insulating material, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars		**AB/SS**	**0404428**	10			
Support, insulating material, with retaining screw, for 3 x 10 mm busbars		**AB/SS-M**	**3025888**	10			
Double support, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm							
Height 48 mm		**AB2/SS**	**0404431**	10			
Height 36.8 mm		**ABN 2/SS**	**0404460**	10			
Support, for direct mounting with contacting on the mounting surface		**AB-SK/E**	**3026476**	10			
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		**NLS-CU 3/10 SN 1000MM**	**0402174**	10			

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Shield clamps SKS ...

SKS ...

SKS ...-NS35

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Shield terminal block, for applying the shield to busbars, contact resistance < 1 mΩ							
Ø 3-8 mm		**SKS 8**	**3240210**	10			
Ø 3-14 mm		**SKS 14**	**3240211**	10			
Ø 5-20 mm		**SKS 20**	**3240212**	10			
Shield connection terminal block, for directly applying the shield to conductive mounting plates, metal thickness 1-2 mm, with fastening screw M4							
Ø 3-8 mm		**SKS 8-D**	**3240213**	10			
Ø 3-14 mm		**SKS 14-D**	**3240214**	10			
Ø 5-20 mm		**SKS 20-D**	**3240215**	10			
Shield connection clamps, mounting on DIN rail NS 35..., for shield on busbars							
Ø 3-8 mm					**SKS 8-NS35**	**3240216**	10
Ø 3-14 mm					**SKS 14-NS35**	**3240217**	10
Ø 5-20 mm					**SKS 20-NS35**	**3240218**	10

Accessories

Support, made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars		**AB/SKS**	**3240224**	10			
Support, made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars		**AB-SKS 60**	**3240223**	10			
Double support, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm							
Height 48 mm		**AB2/SS**	**0404431**	10			
Double support, insulating material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar							
Height 36.8 mm		**ABN 2/SS**	**0404460**	10			

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Support

AB-SK ...

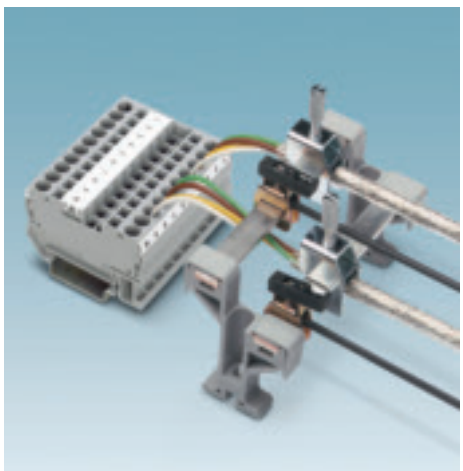
AB-SKS 60

General data							
Material		PA			PA		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Support, for mounting on NS 35..., for 10 x 3 mm busbars							
	Gray	**AB-SK**	**3025341**	10			
	Gray	**AB-SK 65**	**3026489**	10			
Double support, for mounting on NS 35..., direct contact with NS 35..., to accommodate 3 x 10 mm busbars							
	Gray	**AB-SK 65-D**	**3026900**	10			
Double support, for mounting on NS 35..., no contact with NS 35..., for accommodation of 3 x 10 mm busbars							
	Gray	**AB-SK 65-D ISOLATED**	**3040889**	10			
Support, made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars							
	Gray				**AB-SKS 60**	**3240223**	10

Support



AB ...2/SS

General data							
Material		PA			PA		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Double support, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm				
Height 48 mm	Gray	**AB2/SS**	**0404431**	10
Height 36.8 mm	Gray	**ABN 2/SS**	**0404460**	10

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Support

The supports are available in the designs
– AB/SS for isolated installation on the mounting plate and
– AB/SS-M for non-isolated installation on the mounting plate

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

AB/SS...

AB/SKS

General data		
Material	PA	PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Support, insulating material, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	Gray	**AB/SS**	**0404428**	10			
Support, insulating material, with retaining screw, for 3 x 10 mm busbars	Gray	**AB/SS-M**	**3025888**	10			
Support, made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars	Gray				**AB/SKS**	**3240224**	10

Support

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

AB-SK/E

General data	
Material	Aluminum

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support, for direct mounting with contacting on the mounting surface	Silver	**AB-SK/E**	**3026476**	10

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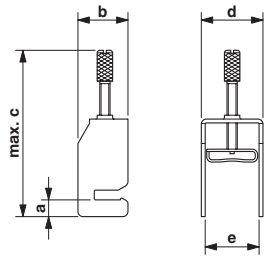
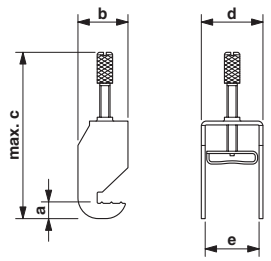
SK ... shield clamps

Dimensions in mm	a	b	c	d	e
SK 5	6.5	19.5	46.8	9	6
SK 8	6.5	19.5	48.7	12	9
SK 14	6.5	19.5	59.3	17	14
SK 20	6.5	19.5	75	24	21
SK 28	6.5	20	93	32	28
SK 35	6.5	20	106.5	40	36
SK 5-D	6.5	19.5	46.8	9	6
SK 8-D	6.5	19.5	47.2	12	9
SK 14-D	6.5	19.5	57.8	17	14
SK 20-D	6.5	19.5	73.5	24	21
SK 28-D	6.5	20	91.5	32	28
SK 35-D	6.5	20	105.0	41	36



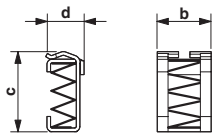
SK ...



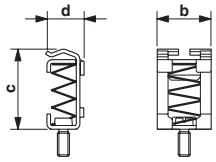
SK ...-D

SKS ... shield clamps

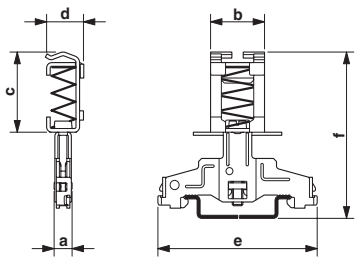
Dimensions in mm	a	b	c	d	e	f
SKS 8	–	18	26	12.4	–	–
SKS 14	–	21	32	19	–	–
SKS 20	–	27	40.5	24.7	–	–
SKS 8-D	–	18	26	12.4	–	–
SKS 14-D	–	21	32	19	–	–
SKS 20-D	–	27	40.5	24.7	–	–
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

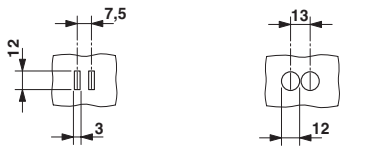


SKS ...-NS35

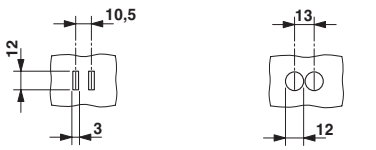
Drilling and punching patterns for SK ...-D

Punching template

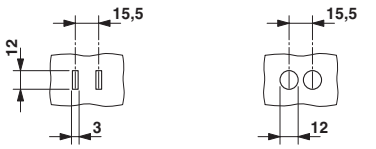
Drilling diagram



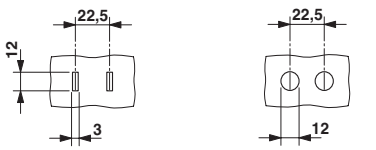
SK 5-D



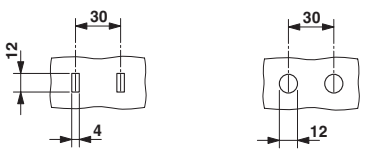
SK 8-D



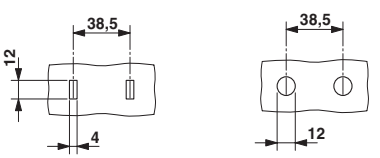
SK 14-D



SK 20-D



SK 28-D



SK 35-D

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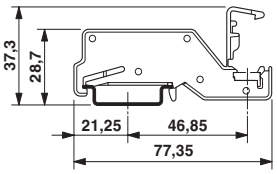
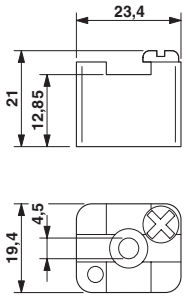
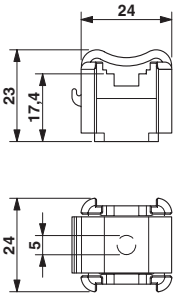
AB ... supports



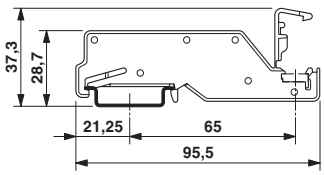
AB-SK



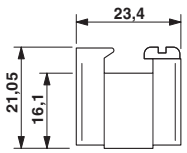
AB/SS



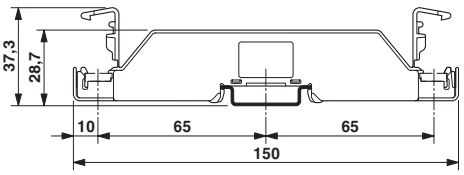
AB/SKS



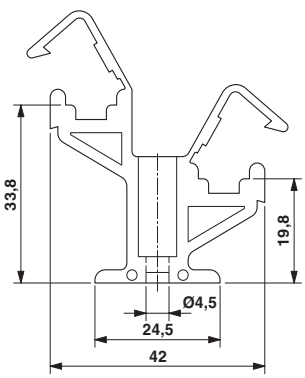
AB-SK 65



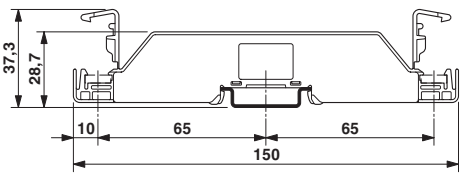
AB/SS-M



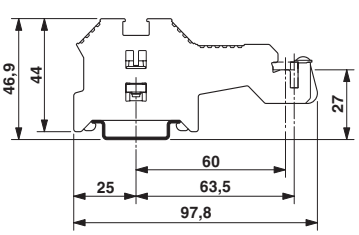
AB-SK 65-D



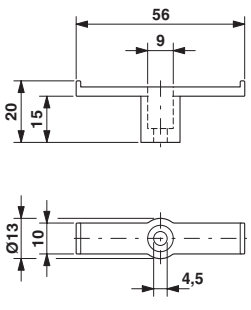
ABN 2/SS



AB-SK 65-D ISOLATED



AB-SKS 60



AB-SK/E

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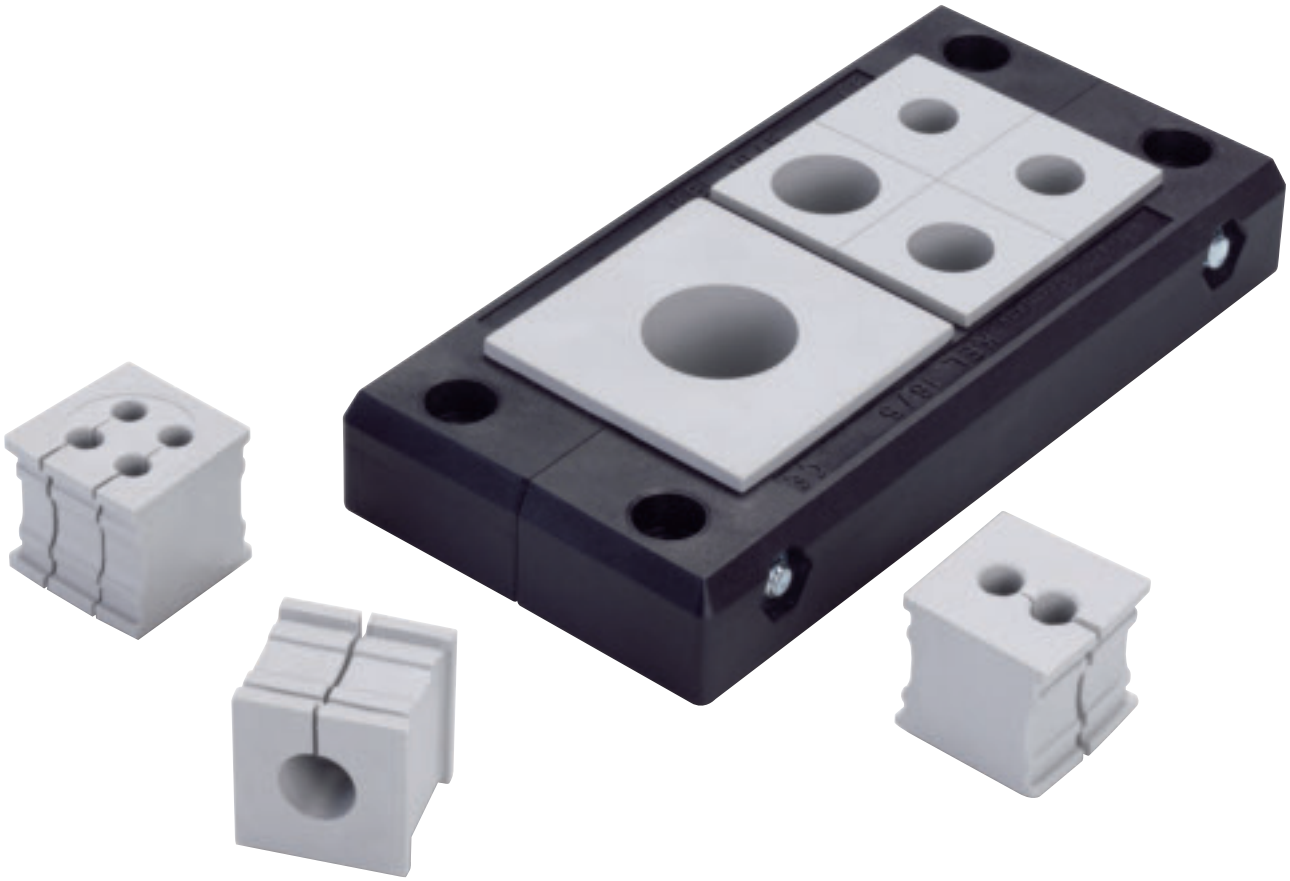
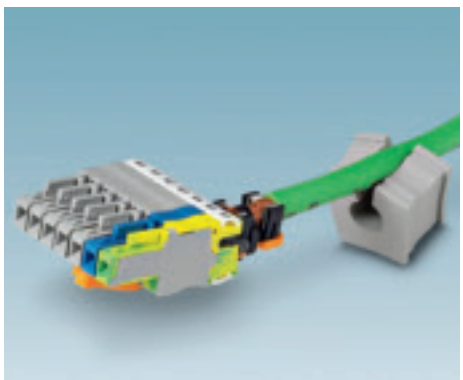
KEL cable entry system





Reliable connection

The slit KEL bushings allow quick assembly without having to remove the plugs from the cable. The manufacturer's warranty for preassembled cables therefore remains intact.

Simple assembly

The KEL system has a modular design and allows simple replacement of cables. The fitted gasket can be quickly snapped open and shut with the KEL-SNAP frame.

Space-saving cable entry

Thanks to a standard cutout for heavy-duty connectors, up to 40 cables can be installed in the control cabinet with a KEL system and a large number of connectors can thus be replaced.

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KEL sealing and snap-on frames

KEL sealing frames are used to accommodate cable sleeves that are available in various designs. The two different frame sizes are modeled as per the standard cutouts similar to those provided for 16 or 24-pos. connectors. A grommet ensures the IP54 degree of protection.

The KEL-SNAP snap-on frames are available for mounting the KEL sealing frames without tools.

For dimensional drawings, see page 689.

KEL ...

KEL-SNAP ...

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**58**	**120**	**17**	**64**	**128**	**38**
General data							
Material		PA			PA		
Degree of protection		IP54			IP54		
Inflammability class acc. to UL 94		V0			V0		
Temperature range	[°C]	-20 ... 80			-20 ... 80		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Sealing frame, for accommodating:							
Two large sleeves	Black	**KEL 16/2**	**3063015**	10			
4 small sleeves	Black	**KEL 16/4**	**3063028**	10			
4 small and 1 large sleeve	Black	**KEL 16/5**	**3063031**	10			
8 small sleeves	Black	**KEL 16/8**	**3063044**	10			
Sealing frame, for accommodating:							
2 small and 2 large sleeves	Black	**KEL 24/4**	**3063057**	10			
5 small sleeves	Black	**KEL 24/5**	**3063060**	10			
6 small and 1 large sleeve	Black	**KEL 24/7**	**3063073**	10			
Ten small sleeves	Black	**KEL 24/10**	**3063086**	10			
Snap-on frames for the small sealing frames, for mounting on standard cutouts of 16-pos. connectors	Black				**KEL-SNAP 16**	**3063099**	10
Snap-on frames for the large sealing frames, for mounting on standard cutouts of 24-pos. connectors	Black				**KEL-SNAP 24**	**3063109**	10

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KEL sleeves

The KDT... cable sleeves are used for accommodating pre-assembled cables with a diameter of 3 ... 34 mm. They can be used in the KEL sealing frames and in the mounted condition, they ensure strain relief as per DIN EN 50262. The integrated sealing lips ensure the IP54 degree of protection for the completely equipped system.

KDT ...

KDT ...

General data			
Material		Elastomer	Elastomer
Degree of protection		IP54	IP54
Inflammability class acc. to UL 94		V0	V0
Temperature range	[°C]	-20 ... 80	-20 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Small, slotted cable sleeves, can be used in KEL sealing frames:KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10, suitable for conductors with a diameter of:							
3-4 mm	Gray	**KDT 3-4**	**3063112**	10			
4-5 mm	Gray	**KDT 4-5**	**3063125**	10			
5-6 mm	Gray	**KDT 5-6**	**3063138**	10			
6-7 mm	Gray	**KDT 6-7**	**3063141**	10			
7-8 mm	Gray	**KDT 7-8**	**3063154**	10			
8-9 mm	Gray	**KDT 8-9**	**3063167**	10			
9-10 mm	Gray	**KDT 9-10**	**3063170**	10			
10-11 mm	Gray	**KDT 10-11**	**3063183**	10			
11-12 mm	Gray	**KDT 11-12**	**3063196**	10			
12-13 mm	Gray	**KDT 12-13**	**3063206**	10			
13-14 mm	Gray	**KDT 13-14**	**3063219**	10			
14-15 mm	Gray	**KDT 14-15**	**3063222**	10			
15-16 mm	Gray	**KDT 15-16**	**3063235**	10			
16-17 mm	Gray	**KDTK 16-17**	**3063248**	10			
17-18 mm	Gray	**KDTK 17-18**	**3063251**	10			
Large, slotted cable sleeves, can be used in KEL sealing frames:KEL 16/2, KEL 16/5, KEL 24/4, KEL 24/7, suitable for conductors with a diameter of:							
16-17 mm	Gray				**KDT 16-17**	**3063264**	10
17-18 mm	Gray				**KDT 17-18**	**3063277**	10
18-19 mm	Gray				**KDT 18-19**	**3063280**	10
19-20 mm	Gray				**KDT 19-20**	**3063293**	10
20-21 mm	Gray				**KDT 20-21**	**3063303**	10
21-22 mm	Gray				**KDT 21-22**	**3063316**	10
22-23 mm	Gray				**KDT 22-23**	**3063329**	10
23-24 mm	Gray				**KDT 23-24**	**3063332**	10
24-25 mm	Gray				**KDT 24-25**	**3063345**	10
25-26 mm	Gray				**KDT 25-26**	**3063358**	10
26-27 mm	Gray				**KDT 26-27**	**3063361**	10
27-28 mm	Gray				**KDT 27-28**	**3063374**	10
28-29 mm	Gray				**KDT 28-29**	**3063387**	10
29-30 mm	Gray				**KDT 29-30**	**3063390**	10
31-32 mm	Gray				**KDT 30-32**	**3063400**	10
32-33 mm	Gray				**KDT 32-33**	**3063413**	10
33-34 mm	Gray				**KDT 33-34**	**3063426**	10

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Special formats of KEL sleeves

The ATG adapter sleeve facilitates accommodation of a small KEL sleeve and can be inserted in the large feed-through positions of the sealing frames. Dummy sleeves do not have any openings and can be used to close unnecessary feed-throughs.

KDT ...

ATG / BT...

General data			
Material	Elastomer	Elastomer	
Degree of protection	IP54	IP54	
Inflammability class acc. to UL 94	V0	V0	
Temperature range [°C]	-20 ... 80	-20 ... 80	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Small, slotted cable sleeves, can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10, suitable for 2 conductors with a diameter of:							
2 x 6 mm	Gray	**KDT 2/6**	**3063439**	10			
2 x 7 mm	Gray	**KDT 2/7**	**3063442**	10			
Small, slotted cable sleeves, can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10, suitable for 4 conductors with a diameter of:							
4 x 4 mm	Gray	**KDT 4/4**	**3063455**	10			
4 x 5 mm	Gray	**KDT 4/5**	**3063468**	10			
Adapter sleeve, can be used in KEL sealing frames: KEL 16/2, KEL 16/5, KEL 24/4, KEL 24/7	Gray				**ATG**	**3063497**	10
Small dummy sleeve, can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10	Gray				**BTK**	**3063471**	10
Large dummy sleeve, can be used in KEL sealing frames: KEL 16/2, KEL 16/5, KEL 24/4, KEL 24/7	Gray				**BTG**	**3063484**	10

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KEL accessories

The KEL plugs are provided for closing unused cable sleeves. If required, the plugs can always be replaced with cables of a suitable diameter.

The shielding can be diverted directly onto the housing without a cable interruption when using EMC cable intercepting strips. Subsequent mounting is possible.

KDT-ST ...

KEL-EMV ...

General data			
Material		PA	High-grade steel
Degree of protection		IP54	-
Inflammability class acc. to UL 94		V0	-
Temperature range	[°C]	-20 ... 80	- ... -

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Plugs, for closing unoccupied cable sleeves with a diameter of:							
3 mm	White	**KDT-ST 3**	**3063921**	25			
4 mm	White	**KDT-ST 4**	**3063934**	25			
5 mm	White	**KDT-ST 5**	**3063947**	25			
6 mm	White	**KDT-ST 6**	**3063950**	25			
7 mm	White	**KDT-ST 7**	**3063963**	25			
8 mm	White	**KDT-ST 8**	**3063976**	25			
9 mm	White	**KDT-ST 9**	**3063989**	25			
10 mm	White	**KDT-ST 10**	**3063992**	25			
11 mm	White	**KDT-ST 11**	**3064001**	25			
12 mm	White	**KDT-ST 12**	**3062016**	25			
13 mm	White	**KDT-ST 13**	**3062029**	25			
14 mm	White	**KDT-ST 14**	**3062032**	25			
15 mm	White	**KDT-ST 15**	**3062045**	25			
16 mm	White	**KDT-ST 16**	**3062058**	25			
17 mm	White	**KDT-ST 17**	**3062061**	25			
EMC cable catch rail for mounting on the longitudinal side of the KEL sealing frame KEL 16/...					**KEL-EMV 16-4**	**3063507**	5
EMC cable catch rail for mounting on the longitudinal side of the KEL sealing frame KEL 24/...					**KEL-EMV 24-5**	**3063510**	5
EMC cable catch rail for mounting on the diagonal side of the KEL sealing frames KEL 16/... and KEL 24/...					**KEL-EMV-F**	**3063523**	5

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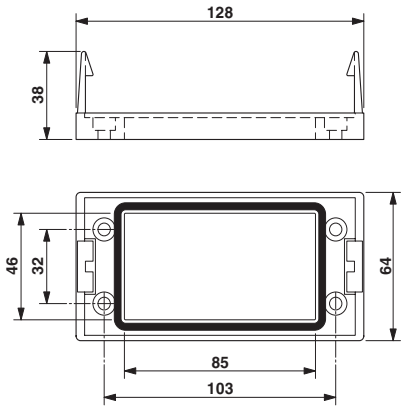
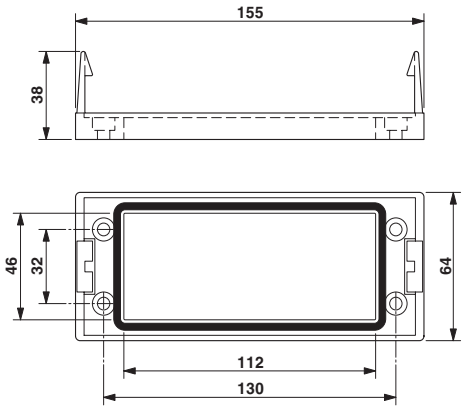
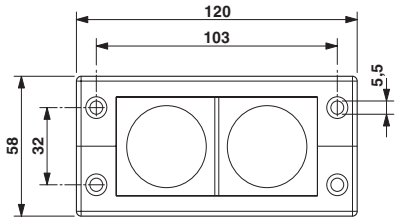
Dimensional drawings for KEL... sealing and snap-on frames



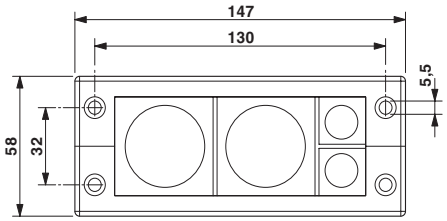
KEL-SNAP 16



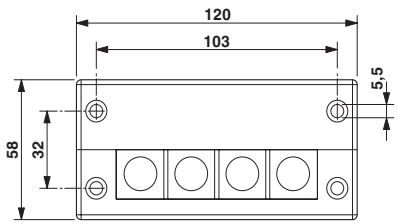
KEL-SNAP 24



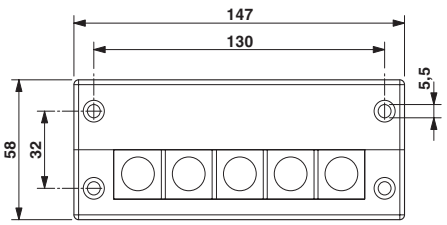
KEL 16/2



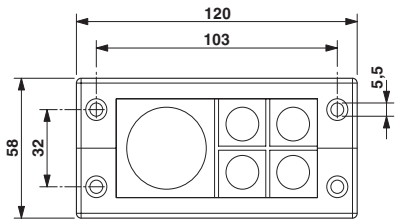
KEL 24/4



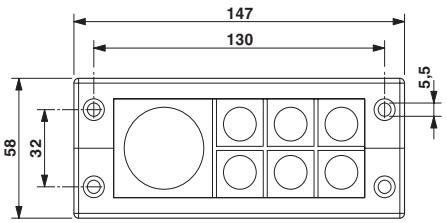
KEL 16/4



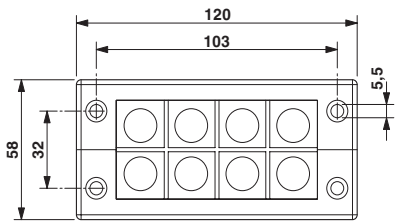
KEL 24/5



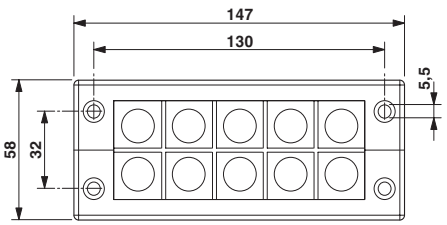
KEL 16/5



KEL 24/7



KEL 16/8



KEL 24/10

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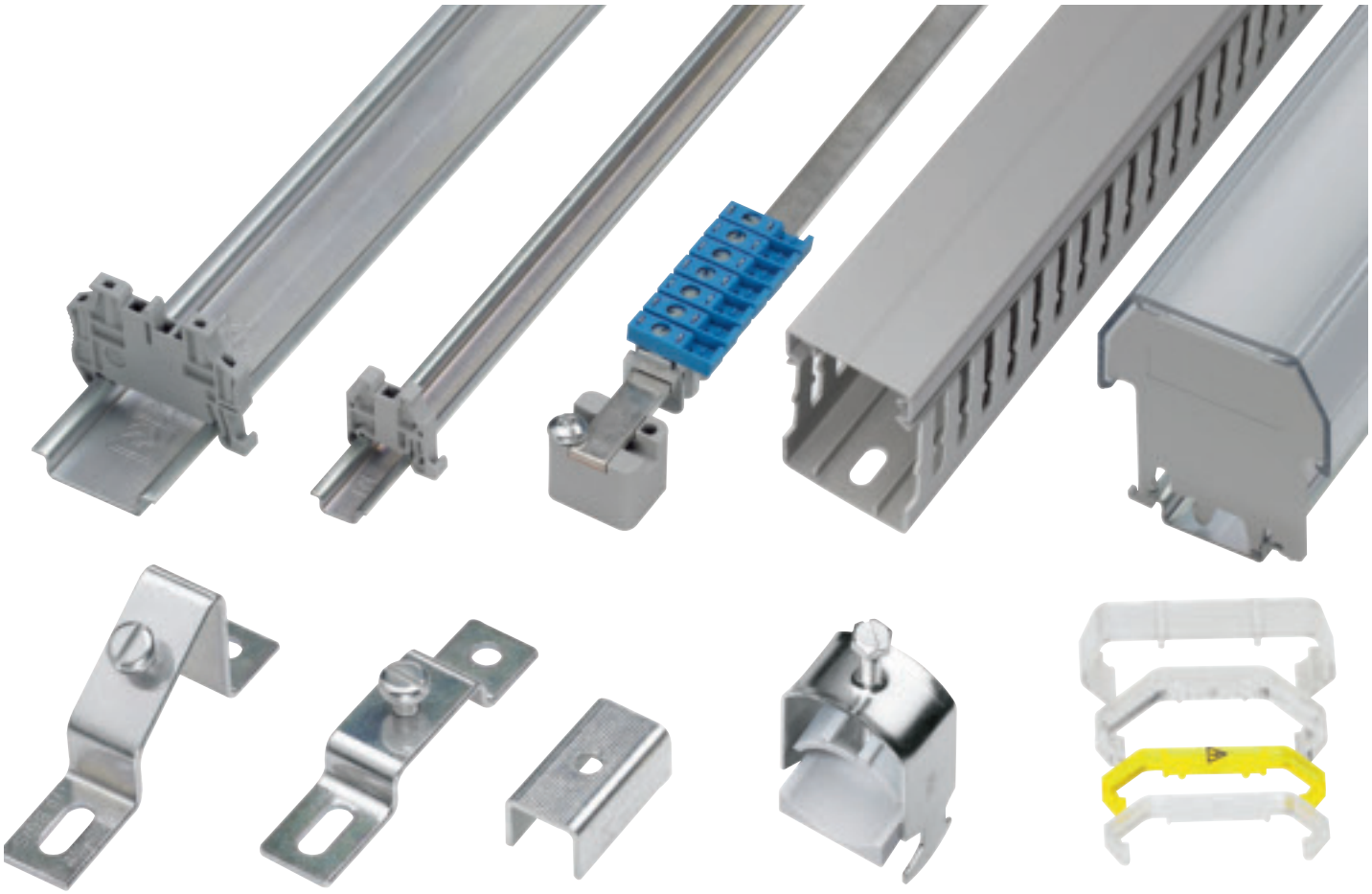

Safe mounting of electrical connections and components in switchgear can be implemented in a time-saving manner using suitable mounting facilities. The space in the control cabinet can be used optimally by combining the mounting accessories appropriately. DIN rails form the basis of the "insides" of the control cabinet. They guarantee a secure hold of the rail-mountable components.

Phoenix Contact provides a wide range of standardized rails made of various materials. They can be supplied cut to length with pre-drilled holes. Cable catching clamps and their rails complete the range. End brackets are used for a secure lateral hold of the components, especially in the event of jolts and vibrations in the systems. Depending on the application, they must be either fastened using screws or simply snapped onto the DIN rails as in the case of the CLIPFIX series. Marking carriers can be snapped onto the end brackets and serve for clarity and for optimal separation of individual terminal strip blocks.

The extensive range of cover profiles guarantees the required safety.

The wide range of wiring channels allows the user to install cable flexibly and easily by breaking out the side bars without tools.

The mounting material range is rounded off by the installation materials with the pick-off, European and socket terminal blocks.

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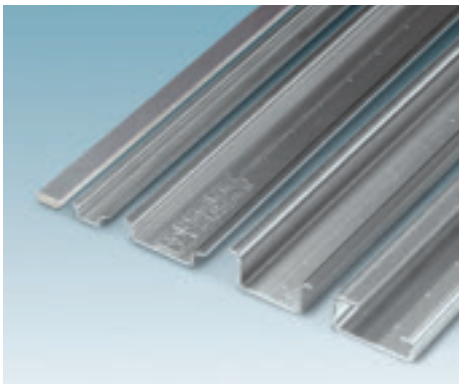
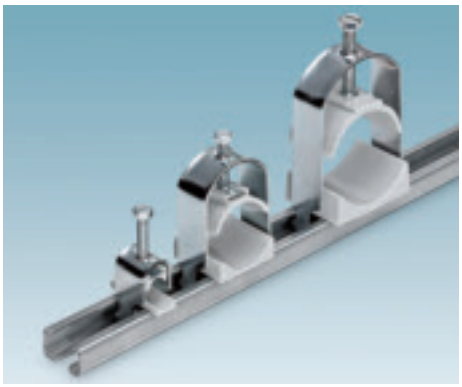
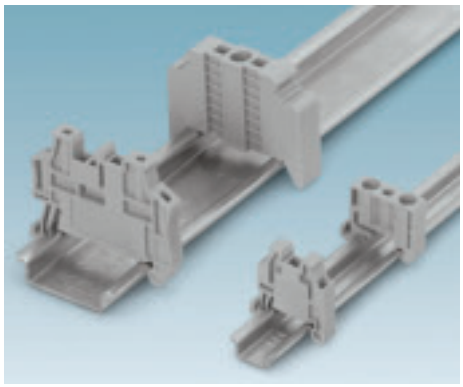


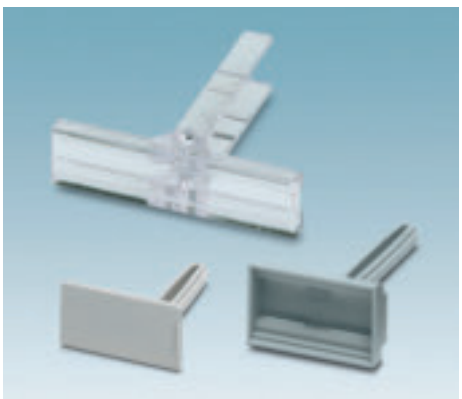
In the construction of control cabinets, the NS 15 and NS 35 rails are characterized by a high degree of dimensional accuracy and double surface tempering. They are galvanized and passivated and thus RoHS-compliant.



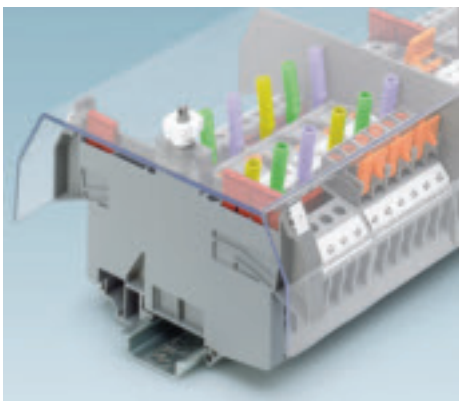
The cable clamps allow easy and safe laying of individual or bundled cables with a diameter of up to 64 mm. The halogen-free plastic pans offer an optimum tight fit as well as protection for the conductor.



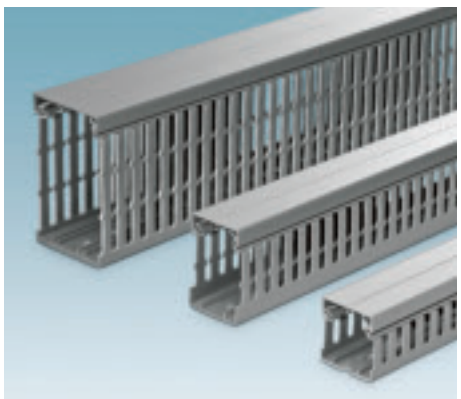
In connection with the NS 15 and NS 35 DIN rails, the end brackets provide an optimal tight fit for the components on the rails. A comprehensive range of end brackets is available for each application.



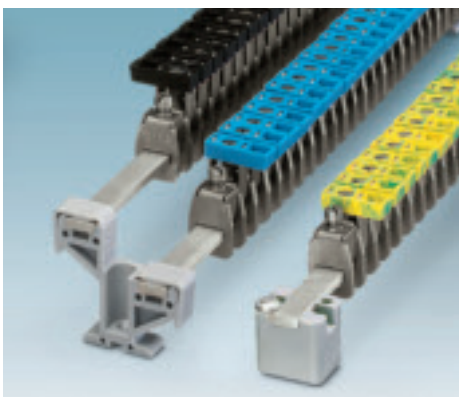
The terminal strip markers allow an easy, clear layout of the DIN rails and their components and thus facilitate assignment during the wiring and maintenance of systems.



The cover profiles serve to cover the live parts and also offer protection against the undesired operation of terminal points or disconnect terminal blocks.



The wide range of wiring channels allows the user to install cable flexibly and easily by breaking out the side bars without tools.



Phoenix Contact offers various connection terminal blocks, branch terminal blocks and power terminal blocks for busbars in switchgear.

The wide range of European terminal blocks includes terminal blocks with and without wire protection. Toolless separation of the individual positions is possible with a simple turn.

The push-in connection method of the socket terminal block series allows solid conductors or conductors with ferrules to be easily pushed into the terminal point. Low insertion forces and high pull-out forces ensure a safe connection.

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DIN rails NS 15, flat design

The design of the DIN rails complies with the European standard EN 60715.

Particular attention is paid to a high degree of dimensional accuracy and surface tempering. All DIN rails are also available cut to length.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.

[1]) Please specify the desired length in millimeters when placing your order. See order example.

[2]) Please specify the desired length and bore hole when placing your order. See order example.

NS 15 ...

Unperforated

NS 15 ...

Perforated

General data							
Material		Steel			Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, supply length: 2 m							
Unperforated	Silver	**NS 15 UNPERF 2000MM**	**1401695**	5			
DIN rail, unperforated in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length according to customer specifications[1])	Silver	**NS 15 UNPERF/...**	**1208089**	1			
DIN rail, unperforated in acc. with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length acc. to customer specifications and provided with mounting holes[2])	Silver	**NS 15 UNPERF/SO/...**	**1208092**	1			
DIN rail, perforated, in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, supply length: 2 m							
Perforated	Silver				**NS 15 PERF 2000MM**	**1401682**	5
DIN rail, perforated in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length according to customer specifications[1])	Silver				**NS 15 PERF/...**	**1208102**	1
DIN rail, perforated, dimensions in acc. with EN 60715 - 15 x 5.5 mm, supply length: 2 m, **Material: aluminum**	Silver				**NS 15 AL PERF 2000MM**	**1401763**	5

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DIN rails NS 35, flat design

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.

[1]) Please specify the desired length in millimeters when placing your order. See order example.

[2]) Please specify the desired length and bore hole when placing your order. See order example.

NS 35/7,5 ...

Unperforated

NS 35/ 7,5 ...

Perforated

General data

Material	Steel	Steel

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in acc. with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, supply length: 2 m	Silver	**NS 35/ 7,5 UNPERF 2000MM**	**0801681**	5			
DIN rail, unperforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications[1])	Silver	**NS 35/ 7,5 UNPERF/...**	**1208115**	1			
DIN rail, unperforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications and provided with mounting holes[2])	Silver	**NS 35/ 7,5 UNPERF/SO/...**	**1208128**	1			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m	Silver	**NS 35/ 7,5 ZN UNPERF 2000MM**	**1206434**	5			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, **Material: copper**	copper	**NS 35/ 7,5 CU UNPERF 2000MM**	**0801762**	5			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, **Material: high-grade steel V2A**	Silver	**NS 35/ 7,5 V2A UNPERF 2000MM**	**0801377**	5			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, **Material: aluminum**	Silver	**NS 35/ 7,5 AL UNPERF 2000MM**	**0801704**	5			
DIN rail, perforated, in acc. with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, supply length: 2 m	Silver				**NS 35/ 7,5 PERF 2000MM**	**0801733**	5
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, for cabinet width / depth of 0.8 m							
Length: 755 mm	Silver				**NS 35/ 7,5 PERF 755MM**	**1207640**	10
For cabinet width / depth of 1.0 m, supply length: 955 mm	Silver				**NS 35/ 7,5 PERF 955MM**	**1207653**	10
For cabinet width / depth of 1.2 m, supply length: 1155 mm	Silver				**NS 35/ 7,5 PERF 1155MM**	**1207666**	10
DIN rail, perforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications[1])	Silver				**NS 35/ 7,5 PERF/...**	**1208131**	1
DIN rail, perforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m	Silver				**NS 35/ 7,5 ZN PERF 2000MM**	**1206421**	5

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DIN rails NS 35, tall design

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For dimensional drawings and ordering examples, see page 705.

[1]) Please specify the desired length in millimeters when placing your order. See order example.

[2]) Please specify the desired length and bore hole when placing your order. See order example.

NS 35/15 ...
Unperforated

NS 35/15 ...
Perforated

General data		
Material	Steel	Steel

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in acc. with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m	Silver	**NS 35/15 UNPERF 2000MM**	**1201714**	5			
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, cut to length according to customer specifications[1])	Silver	**NS 35/15 UNPERF/...**	**1208144**	1			
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, cut to length according to customer specifications and provided with mounting holes[2])	Silver	**NS 35/15 UNPERF/SO/...**	**1208157**	1			
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tin-plated, tall design, supply length: 2 m	Silver	**NS 35/15 ZN UNPERF 2000MM**	**1206586**	5			
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, 2.3 mm thick, galvanized and thick layer passivated, tall design, for universal cut, supply length: 2 m	Silver	**NS 35/15-2.3 UNPERF 2000MM**	**1201798**	5			
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tall design, supply length: 2 m, **material: copper**	copper	**NS 35/15 CU UNPERF 2000MM**	**1201895**	5			
DIN rail, perforated, in acc. with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m	Silver				**NS 35/15 PERF 2000MM**	**1201730**	5
DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, for cabinet width / depth of 0.8 m							
Length: 755 mm	Silver				**NS 35/15 PERF 755MM**	**1207679**	10
For cabinet width / depth of 1.0 m, supply length: 955 mm	Silver				**NS 35/15 PERF 955MM**	**1207682**	10
For cabinet width / depth of 1.2 m, supply length: 1155 mm	Silver				**NS 35/15 PERF 1155MM**	**1207695**	10
DIN rail, perforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m, cut to length according to the customer specifications[1])	Silver				**NS 35/15 PERF/...**	**1208160**	1
DIN rail, perforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tin-plated, tall design, supply length: 2 m	Silver				**NS 35/15 ZN PERF 2000MM**	**1206599**	5

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DIN rails NS 35 and DIN rails with cable clamps

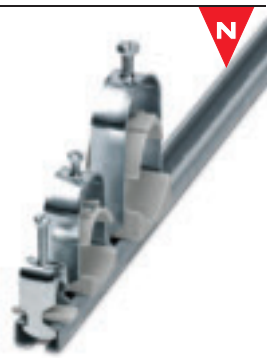
The cable clamps help in strain relief and make it possible to lay individual or bundled cables with diameters of up to 64 mm easily and safely. The halogen-free plastic tanks provide optimum security while providing protection to the conductor at the same time.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.

NS 35/15 AL ...

Unperforated



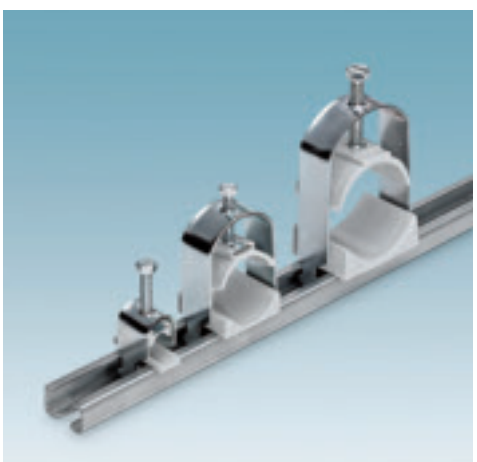
NS 30/15 PERF.2000MM

For cable clamps

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**35**	**2000**	**15**	**30**	**2000**	**15**
General data							
Material		Aluminum			Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, supply length: 2 m	Silver	**NS 35/15 AL UNPERF 2000MM**	**1201756**	5			
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, cut to length according to customer specifications	Silver	**NS 35/15 AL UNPERF/...**	**1210213**	1			
Slide nut, for DIN rail NS 35/15-AL, for fixing devices, **material: Steel**							
M4	Silver	**GLM 4**	**1201769**	100			
M5	Silver	**GLM 5**	**1201772**	100			
M6	Silver	**GLM 6**	**1201785**	100			
DIN rails, for cable clamps					**NS 30/15 PERF.2000MM**	**3240262**	5
Cable clamp, for DIN rail							
For cable diameters of 6 - 14 mm					**WCC 14**	**3240252**	25
For cable diameters of 12 - 18 mm					**WCC 18**	**3240253**	25
For cable diameters of 18 - 22 mm					**WCC 22**	**3240254**	25
For cable diameters of 22 - 26 mm					**WCC 26**	**3240255**	25
For cable diameters of 26 - 30 mm					**WCC 30**	**3240256**	25
For cable diameters of 30 - 34 mm					**WCC 34**	**3240257**	25
For cable diameters of 34 - 38 mm					**WCC 38**	**3240258**	25
For cable diameters of 38 - 42 mm					**WCC 42**	**3240259**	25
For cable diameters of 42 - 56 mm					**WCC 56**	**3240260**	25
For cable diameters of 56 - 64 mm					**WCC 64**	**3240261**	25



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Screwless end bracket for the NS 15 and NS 35 DIN rails

The CLIPFIX is characterized by its excellent fit despite having a width of only 5 mm. Moreover, it provides a "parking facility" for jumpers and test plugs.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

CLIPFIX 15

CLIPFIX 35 ...

Dimensions		Width	Length	Height
	[mm]	**5.2**	**22**	**22.6**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Dimensions		Width	Length	Height
	[mm]	**5.15**	**48.5**	**35**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, for snapping onto NS 15, 5.2 mm wide, labeling with ZB 5 and ZBF 5, KLM, parking facilities for bridges and test accessories	Gray	**CLIPFIX 15**	**3022263**	50
End bracket, for snapping onto NS 35, 5.15 mm wide, labeling with ZB 5, parking facility for bridges and test plugs	Gray	**CLIPFIX 35-5**	**3022276**	50
End bracket, to snap on NS 35, 9.5 mm wide, can be labeled with ZB 6, ZB 8/27, KLM...	Gray	**CLIPFIX 35**	**3022218**	50

Screw-on end bracket for NS 35 and NS 32 DIN rails

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

E/UK

E/UK 1

Dimensions		Width	Length	Height
	[mm]	**9.5**	**50.5**	**35.3**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Dimensions		Width	Length	Height
	[mm]	**10**	**55.5**	**50**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, to screw on, for NS 35 and NS 32, can be labeled with ZB 6, KLM, KLM-A and UBE	Gray	**E/UK**	**1201442**	50
Universal end bracket, to screw on, for NS 35 and NS 32, for supporting the ends of double level and three level terminal blocks, can be labeled with ZB 10 can be labeled with ZB 10	Gray	**E/UK 1**	**1201413**	50

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Screw-on end bracket for NS 15 DIN rail

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

E/MBK

E/MK 1

Dimensions		Width	Length	Height
	[mm]	**6.1**	**22**	**11.4**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Dimensions		Width	Length	Height
	[mm]	**6.1**	**21.2**	**18**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

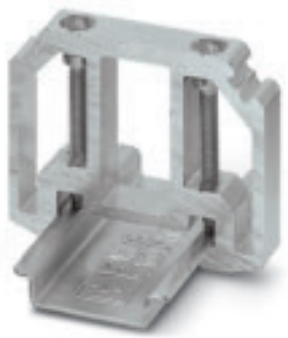
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, to snap on NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be labeled with KLM 1	Gray	**E/MBK**	**1401637**	100
End bracket, to screw on NS 15, 6.1 mm wide, can be fastened with a screw, can be labeled with KLM 1	Gray	**E/MK 1**	**1421659**	100

Screw-on end bracket for NS 35 DIN rail

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

E/NS 35 N



E/AL-NS 35

Dimensions		Width	Length	Height
	[mm]	**9.5**	**48.6**	**32.8**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Dimensions		Width	Length	Height
	[mm]	**10**	**59**	**44**
General data				
Material		Aluminum		
Inflammability class acc. to UL 94		-		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, to screw on NS 35, can be equipped with terminal strip marker KLM-A or ZB 8	Gray	**E/NS 35 N**	**0800886**	50
Aluminum end clamp, for screwing on, for end support of 50 - 240 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...	Silver	**E/AL-NS 35**	**1201662**	10

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Terminal strip marking system

The KLM was developed especially for the CLIPFIX end bracket. The fine grading allows unrestricted adjustment of the height of the labeling field.

The KLM 3-L is suitable for multi-level terminal blocks and can be cut at two defined points.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

KLM 2

KLM 3...

General data			
Material		PA	PA
Inflammability class acc. to UL 94		V2	V2
Temperature range	[°C]	-40 ... 100	-40 ... 100
Components		Halogen-free	Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal strip marker, adjustable height, for end clamp CLIPFIX ..., can be labeled with SS-ZB							
Lettering field size: 20 x 8 mm	Gray	**KLM 2**	**0807575**	100			
Terminal strip marker, adjustable height, for end clamp CLIPFIX ..., can be labeled with EML (20x8)... label or with B-STIFT or X-PEN							
	Gray				**KLM 3**	**0811969**	100
Can be cut to length	Gray				**KLM 3-L**	**0814788**	100

Terminal strip marking system

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

KLM 1

KLM

General data			
Material		ABS	ABS
Inflammability class acc. to UL 94		HB	HB
Temperature range	[°C]	-40 ... 80	-40 ... 80
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal strip markers, for E/MK, E/MK 1 and E/MBK end bracket, lettering field size: 24 x 4 mm							
	Transparent	**KLM 1**	**1004319**	100			
Terminal strip markers, for E/UK or CLIPFIX 35 end brackets, lettering field size: 25 x 6 mm							
	Transparent				**KLM**	**1004306**	100

Accessories

Insert strip for thermal transfer printer, 1 roll = 5,000 markers, lettering field size: 24 x 4 mm							
Lettering field size: 24 x 4 mm	White	**EMT (24X4)R**	**0816265**	1			
Lettering field size: 25 x 6 mm	White				**EMT (25X6)R**	**0817264**	1

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Terminal strip marking system

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Please specify the required marking with order.

KLM-A

UBE...

General data			
Material		ABS	PA
Inflammability class acc. to UL 94		-	V2
Temperature range	[°C]	-40 ... 80	-40 ... 100
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal strip markers, for strip marking, adjustable height, for use with end clamps E/UK, E/NS 35 N or CLIPFIX 35, lettering field size: 44 x 7 mm	Transparent	**KLM-A**	**1004348**	100			
Terminal strip marker carriers, for marking terminal groups, for end bracket E/UK, lettering field: 40 x 17 mm Hood material: PE	Gray				**UBE**	**0800310**	10
Terminal strip marker carrier, for marking terminal block groups, for mounting on NS 32... or NS 35... DIN rail, lettering field size: 40 x 17 mm Hood material: PE	Gray				**UBE/D**	**0800307**	10

Accessories

Insert strip for thermal transfer printer, for terminal strip marker UBE/D or UBE Lettering field size: 40 x 17 mm, 1 roll = 2,300 labels	White				**EMT (40X17)R**	**0817293**	1
Insert strip for laser printer, perforated, for terminal strip marker KLM-A							
Lettering field size: 44 x 7 mm	White	**ESL 44X 7**	**0808244**	10			
Lettering field size: 40 x 17 mm	White				**ESL 40X17**	**0808095**	10
Special printing, insert strips, marking according to customer requirements[1])							
Lettering field size: 44 x 7 mm		**ESL 44X 7 SO:CMS**	**0814322**	1			
Lettering field size: 40 x 17 mm	White				**ESL 40X17 SO:CMS**	**0809418**	1

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Angled brackets

The BG/S... brackets enable the DIN rail to be mounted with spacing or at an angle of 30°.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

BG/S ...

BG/SH ...

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**19.7**	**87**	**35.4**	**20**	**84**	**46**
General data							
Material		Steel			Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Angled bracket, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	Silver	**BG/S**	**1201086**	10	**BG/SH**	**1201099**	10
Angled brackets, with DIN rail limit stop, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	Silver	**BG/SA**	**1201604**	10	**BG/SHA**	**1201594**	10

Flat brackets

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

BG/F

BG/F 1

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**20**	**84**	**12**	**20**	**37**	**15**
General data							
Material		Steel			Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Flat bracket, for fixing DIN rails 12 mm above the base, with M6 screw, galvanized and thick layer passivated	Silver	**BG/F**	**1201060**	10			
Flat bracket, is screwed with DIN rails 15 mm above the base, fixing hole: 6.5 mm Ø, galvanized and thick layer passivated	Silver				**BG/F 1**	**1201112**	10

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Universal adapter

The universal adapters help in fastening and accommodating electrical or electronic switching devices.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

USA 10...

Dimensions		Width	Length	Height
	[mm]	**43**	**10**	**19**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Universal rail adapter, for NS 35... or NS 32... DIN rail, for accommodation of switching devices, 10 mm wide				
For M3 screws	Gray	**USA 10**	**1201578**	10
For M5 screws	Gray	**USA 10/4,6**	**1202713**	10

Mounting accessories

The supports help in protection-insulated accommodation of DIN rails.

The DIN rail end pieces are available for NS 35/7.5 and NS 35/15.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

AB/NS

NS 35/... CAP

Dimensions		Width	Length	Height
	[mm]	**38**	**35**	**21**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Width	Length	Height
7	**37.5**	**9**
PA		
V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips				
	Gray	**AB/NS**	**1201141**	10
DIN rail end piece				
for DIN rail NS 35/7,5	Gray			
	Gray			

Type	Order No.	Pcs. / Pkt.
NS 35/ 7,5 CAP	**1206560**	100
NS 35/15 CAP	**1206573**	100

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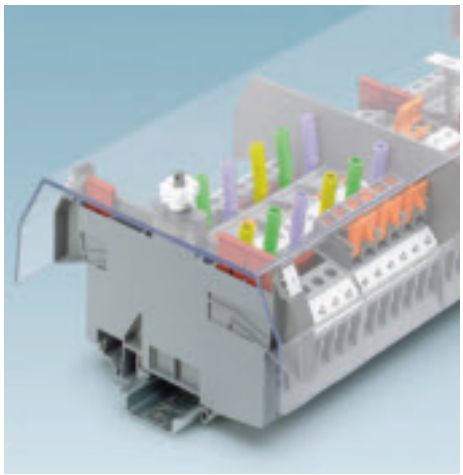
Cover profiles



The AP.. cover profiles are available for protection against unauthorized actuation of terminal strips. The AP-ME cover profile is ideal for covering the ME test disconnect terminal blocks. The cover can be safely snapped onto the relevant APH-ME end clamps and optionally sealed.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

AP-ME ...

General data		
Material		PVC
Temperature range	[°C]	-15 ... 65

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Cover profile, supply length 1 m	Transparent	**AP-ME**	**METER**	**3034361**	10
Cover profile, please specify the desired length in cm		**AP-ME CM**		**3034345**	1

Holder for AP-ME cover profiles

The APH-ME end clamp is for the AP-ME cover. It provides parking options for FBS ...-8 plug-in bridges and can also be sealed. The holder serves as a partition plate or an intermediate support for long terminal strips.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

APH-ME

APT-ME

General data			
Material	PA	PA	
Inflammability class acc. to UL 94	V2	V2	
Temperature range [°C]	-40 ... 115	-40 ... 115	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
End brackets, for AP-ME cover profile, sealable, with storage option for plug-in bridges	Gray	**APH-ME**	**3034374**	10			
Holder, for AP-ME cover profile	Gray				**APT-ME**	**3034358**	10

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Cover profiles

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) When ordering please specify the desired length in cm. Accuracy 1 mm.

AP ...

A/U / VAH

General data			
Material		PVC	Polycarbonate PC
Inflammability class acc. to UL 94		-	V2
Temperature range	[°C]	-15 ... 65	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cover profile, for terminal strips, can be labeled with insert strips AP-ES, a cover profile carriers should be placed at the ends and at intervals of approx. 40 cm, maximum supply length: 1 m[1])							
Can be snapped onto cover profile carrier AP 2-TU	Transparent	**AP 2 CM**	**5022889**	1			
Can be snapped onto AP 3-TU or AP 3-TNS 35	Transparent	**AP 3 CM**	**5022876**	1			
Cover profile carrier, for mounting on NS 32 or NS 35 DIN rail, for fixing the cover profile AP, 2 mm thick, material: PA							
	Gray	**AP 2-TU**	**5022630**	50			
	Gray	**AP 3-TU**	**5022656**	50			
Sealable cover profile, for mounting on NS 35 DIN rail, for fixing the cover profile AP 3, with plastic knurled nut M5, space requirement: 13 mm							
	Gray	**AP 3-TNS 35**	**5022672**	10			
U-shaped cover, inner dimensions: 100 x 38 mm, 2 mm thick, maximum supply length: 2.05 m, also required: 2 end brackets E/UK and 2 cover holders VAH, made acc. to length specifications[1])							
	Transparent				**A/U CM**	**5021110**	1
Adjustable cover holder, for mounting covers (up to 3 mm thick), additional requirements: One end bracket E/UK or CLIPFIX 35, material PA							
	Gray				**VAH**	**1201468**	10

Accessories

Insert strips, for group marking, for sliding into the cover profile AP 2 and AP 3, cardboard, lettering field: 35 x 500 mm							
		AP-ES	**5022685**	10			

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Cover profiles

The AP... cover profiles are available for protection against unauthorized actuation of terminal strips. The AP-ME cover profile is ideal for covering the ME test disconnect terminal blocks. The cover can be safely snapped onto the relevant APH-ME end clamps and optionally sealed.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

EA ...

APK ...

General data		
Material	ABS	Polycarbonate PC
Inflammability class acc. to UL 94	HB	V2
Temperature range [°C]	-40 ... 80	-40 ... 115
Components	Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Single cover, for covering the UK 2,5 neutral terminal, snap fit	Transparent	**EA 4**	**0805360**	50			
Single cover, for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS,UK 4-LOER terminals, snap fit	Transparent	**EA 5**	**1024014**	100			
Single cover, for covering the UK 16 neutral terminal, snap fit	Transparent	**EA 7**	**1024250**	100			
Single cover, for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS,UK 4-LOER terminals, snap fit, black print: Lightning flash	Yellow	**EA 5-WS**	**1024085**	100			
Single cover, for covering the UK 35, UIK 35 terminal, cannot be labeled, snap fit	Transparent	**EA 11**	**1024263**	50			
Holding profile, is snapped into the cover holder APK-TU, with groove for zack marker strip **ZB 5** up to **ZB 10**, length: 2 m	Transparent				**APK 1**	**5022795**	10
Holding profile, is snapped into the cover holder APK-TU, with groove for zack marker strip **ZB 5** up to **ZB 10**, length: 2 m	Gray				**APK-HP METER**	**5022818**	2
Cover profile holder, 10 mm width, for mounting on NS 32 or NS 35, for fixing the holding profile APK-HP, can be labeled with zack marker strip **ZB 10** Material: PA	Gray				**APK-TU**	**5022805**	10

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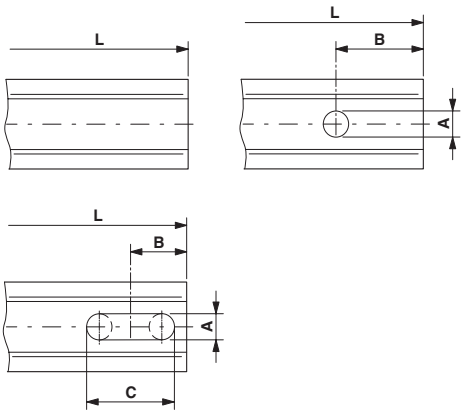
Sample configuration for NS 35/15 UNPERF/SO/...:

(minimum order 20 pieces)

When ordering 20 unperforated NS 35/15 DIN rails with 6 mm ø end holes on both sides (as 20 mm elongated holes, the hole center of which is 50 mm from the end of the rail) and a length of 550 mm, the following information must be given:

Qty	Order No.	Length in mm	Dim. A	Dim. B	Dim. C
20	1208157	550	6	50	20



Sample configuration for NS 35/7,5 UNPERF/...:

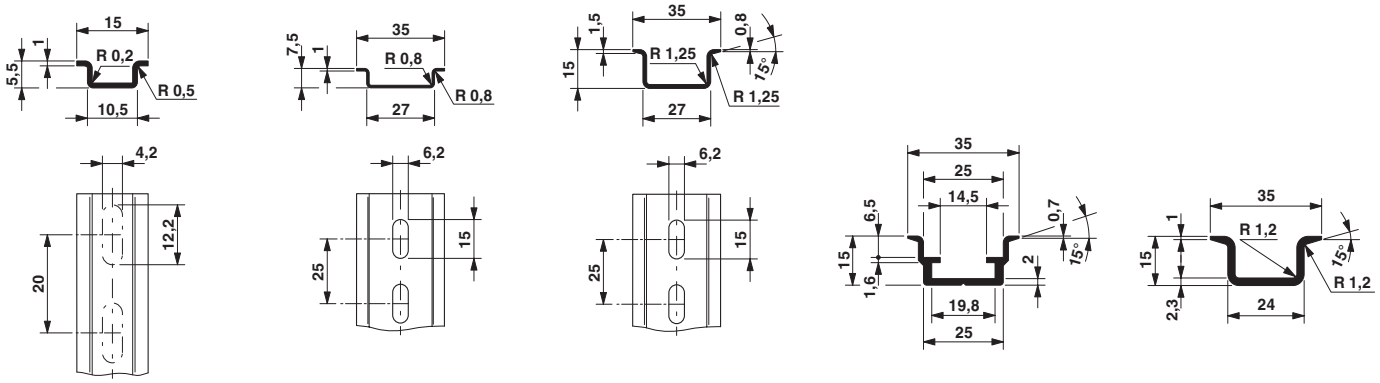
(minimum order 20 pieces)

When ordering 20 unperforated NS 35/7,5 DIN rails without end holes and with a length of 1750 mm, the following information must be given:

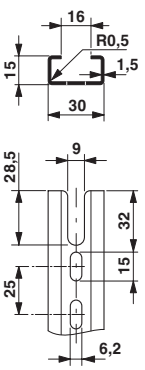
Qty	Order No.	Length in mm
20	1208115	1750

L = Length
A = Hole diameter [mm]
B = Distance between the end and the hole center [mm]
C = Length of the elongated hole [mm]
The following dimensions are possible:
Round hole: C = 0
Elongated hole: C = 10, 15, 20 or 25 mm

Dimensional drawings for DIN rails



Dimensional drawing for DIN rails



NS 30/15 PERF.

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Wiring channels and accessories

The wide range of wiring channels in sizes from 25 x 25 mm to 100 x 100 mm make it possible for the user to lay cables flexibly, quickly and easily when installing the control cabinet. A predetermined breaking point on the lateral webs makes it possible to break the webs without burr and without using tools. Another predetermined breaking point in the wiring channel floor makes it possible to establish T and cross connections seamlessly and quickly. Lateral snapping on of the cover ensures easy assembly and removal as well as a secure hold even in horizontal and vertical applications.

The bars are designed such that conductors that are led out laterally can be safely fixed even without covers. The wire holding bracket can be installed at the desired height and ensures safe support to the laid cables.

The **PPS CD M wiring channel cutter** cuts channels and covers up to 125 mm width and 2.5 mm wall thicknesses burr-free and non-cutting in no time. A spring-mounted knife protection provides the necessary safety.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

CD ...

Dimensions		Width	Length	Height
	[mm]	**25**	**2000**	**25**
Weight	[kg]	-		
Length of the measuring bar	[mm]	-		
Length of the hand lever	[mm]	-		
Wiring channels (wall thickness)	[mm]	-		
Cutting width	[mm]	-		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Wiring channel, consisting of a **lower** and an **upper part**				
W x H: 25 x 25 mm	Gray	**CD 25X25**	**3240187**	25
W x H: 25 x 40 mm	Gray	**CD 25X40**	**3240188**	24
W x H: 25 x 60 mm	Gray	**CD 25X60**	**3240191**	30
W x H: 25 x 80 mm	Gray	**CD 25X80**	**3240197**	10
W x H: 30 x 40 mm	Gray	**CD 30X40**	**3240278**	1
W x H: 30 x 60 mm	Gray	**CD 30X60**	**3240280**	1
W x H: 30 x 80 mm	Gray	**CD 30X80**	**3240282**	1
W x H: 30 x 100 mm	Gray	**CD 30X100**	**3240283**	1
W x H: 40 x 40 mm	Gray	**CD 40X40**	**3240189**	25
W x H: 40 x 60 mm	Gray	**CD 40X60**	**3240192**	20
W x H: 40 x 80 mm	Gray	**CD 40X80**	**3240198**	10
W x H: 60 x 40 mm	Gray	**CD 60X40**	**3240190**	20
W x H: 60 x 60 mm	Gray	**CD 60X60**	**3240193**	12
W x H: 60 x 80 mm	Gray	**CD 60X80**	**3240199**	10
W x H: 60 x 100 mm	Gray	**CD 60X100**	**3240263**	8
W x H: 80 x 25 mm	Gray	**CD 80X25**	**3240281**	1
W x H: 80 x 60 mm	Gray	**CD 80X60**	**3240194**	10
W x H: 80 x 80 mm	Gray	**CD 80X80**	**3240200**	6
W x H: 80 x 100 mm	Gray	**CD 80X100**	**3240264**	8
W x H: 100 x 40 mm	Gray	**CD 100X40**	**3240279**	10
W x H: 100 x 60 mm	Gray	**CD 100X60**	**3240195**	8
W x H: 100 x 80 mm	Gray	**CD 100X80**	**3240201**	6
W x H: 100 x 100 mm	Gray	**CD 100X100**	**3240205**	6
W x H: 120 x 60 mm	Gray	**CD 120X60**	**3240196**	6
W x H: 120 x 80 mm	Gray	**CD 120X80**	**3240202**	8
Wiring channel, upper part				
For a width of 25 mm	Gray			
For a width of 40 mm	Gray			
For a width of 60 mm	Gray			
For a width of 80 mm	Gray			
For a width of 100 mm	Gray			
For a width of 120 mm	Gray			
Universal wire holding bracket, pre-perforated for wiring channel widths of 40, 60, 80 and 100 mm				
Wiring channel cutter, for cutting of wiring channels and their covers and profiles, with a metric measuring rail, cutting width 125 mm	Black			

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CD COVER ...

Width	Length	Height
25	**2000**	
-		
-		
-		
-		
-		

Type	Order No.	Pcs. / Pkt.
CD COVER 25	**3240285**	14
CD COVER 40	**3240286**	14
CD COVER 60	**3240287**	10
CD COVER 80	**3240288**	10
CD COVER 100	**3240289**	6
CD COVER 120	**3240290**	6

CD WR

Width	Length	Height
-		
-		
-		
-		
-		

Type	Order No.	Pcs. / Pkt.
CD WR	**3240284**	10

PPS CD M

Wiring channel cutter

Width	Length	Height
285	**280**	**290**
10.5		
1000		
500		
2.50		
125		

Type	Order No.	Pcs. / Pkt.
PPS CD M	**1207569**	1

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Neutral busbar

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

NLS-CU 3/10 SN 1000MM

NLS-CU 6/ 6 SN 1000MM

Dimensions		Width	Length	Height
	[mm]	**10**	**1000**	**3**
General data				
Material		Copper		

Dimensions		Width	Length	Height
	[mm]	**6**	**1000**	**6**
General data				
Material		Copper		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	Silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
PEN conductor busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	Silver	**NLS-CU 6/ 6 SN 1000MM**	**0402161**	10

Supports for neutral busbars

Three supports are available for holding the busbars:
- The AB/SS for one rail
- The AB 2/SS for offset arrangement of neutral and (PE) busbars
- The lower ABN 2/SS

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

AB/SS...

AB .../SS

Dimensions		Width	Length	Height
	[mm]	**19.4**	**23.4**	**21.7**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Dimensions		Width	Length	Height
	[mm]	**19**	**23**	**36.8**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support, insulating material, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	Gray	**AB/SS**	**0404428**	10
Double support, insulating material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar				
Height 36.8 mm	Gray			
Height 48 mm	Gray			

Type	Order No.	Pcs. / Pkt.
ABN 2/SS	**0404460**	10
AB2/SS	**0404431**	10

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Power terminals

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

EK 116

Dimensions		Width	Length	Height	
	[mm]	**8**	**40**	**36**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		76		**0.5 - 16**	**20 - 6**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross-section	[A] / [mm²]	57 / 10	- / -	- / -	-
Connection capacity		Solid	Stranded	Ferrule	
				without / with plastic sleeve	
One conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 10
Two conductors (of the same type)	[mm²]	0.5 - 10	0.5 - 10	0.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 10
General data					
Stripping length	[mm]	14			
Screw thread		M5			
Tightening torque	[Nm]	2.5 - 3			

EK 135

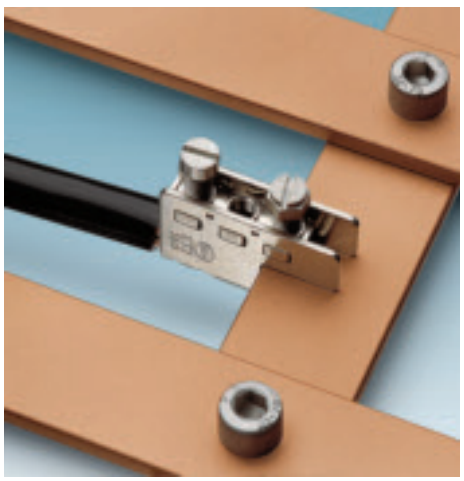
		Width	Length	Height	
		12	**40**	**37**	
		$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		125		**0.75 - 35**	**18 - 2**
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
		125 / 35	- / -	- / -	-
		Solid	Stranded	Ferrule	
				without / with plastic sleeve	
		0.75 - 35	0.75 - 3	0.75 - 35	0.75 - 35
		0.75 - 10	0.75 - 10	0.75 - 10	-
					0.75 - 10
		14			
		M6			
		3.2 - 3.7			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Power terminal block, copper, nickel-plated	Aluminum	**EK 116**	**0401010**	10

Type	Order No.	Pcs. / Pkt.
EK 135	**0401023**	10

Branch terminal blocks



In switchgear and control gear, it is often necessary to branch flat copper busbars. The AZK 35 branch terminal block simplifies this in the following ways: the terminal block can be placed at any position on the copper bar (up to a thickness of max. 5 mm) after assembly and clamped firmly.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

AZK 35

Dimensions		Width	Length	Height	
	[mm]	**12**	**40**	**36**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		125		**0.75 - 35**	**18 - 2**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross-section	[A] / [mm²]	125 / 35	- / -	- / -	-
Connection capacity		Solid	Stranded	Ferrule	
				without / with plastic sleeve	
One conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
Two conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 10
General data					
Stripping length	[mm]	15			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Branch terminal block, for connection to copper bars up to 5 mm thick	Aluminum	**AZK 35**	**0702997**	10

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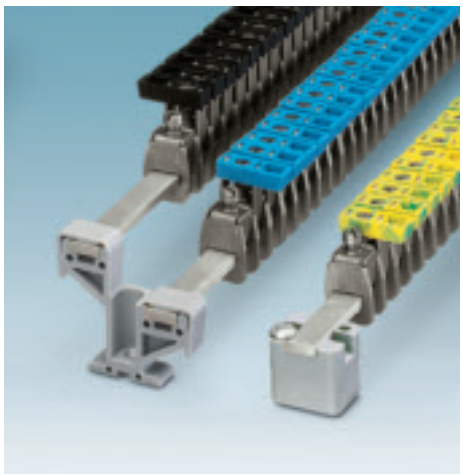
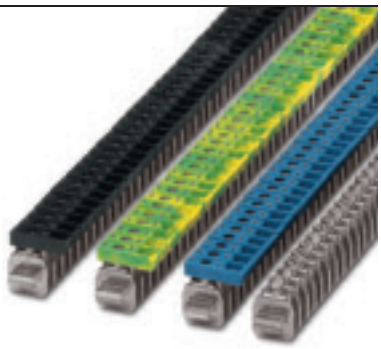
L/N/PE connection terminal blocks



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Note the current carrying capacity of the busbars.



AK... 4 ...

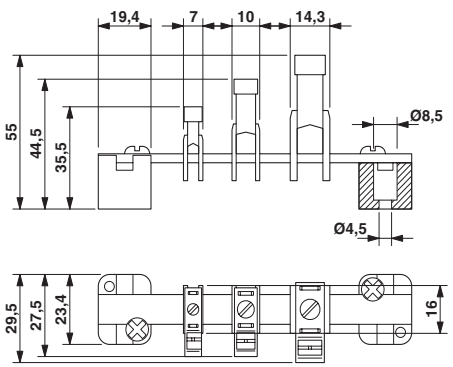
In electrical systems subject to the installation requirements stipulated in DIN VDE 0100 or IEC 60204-1 / EN 60204-1 / VDE 0113-1, neutral (N), protective earth (PE) or phase conductors (L) are often connected to central busbars. This requires clear labeling of the conductor or the terminal block to the corresponding circuit. The AKG connection terminal blocks fulfill these conditions in two ways:

– By marking each terminal block individually
– By their blue, green-yellow or black colored housings

Dimensions		Width	Length	Height	
	[mm]	**7**	**23.5**	**26**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		41[1])		**0.5 - 6**	**20 - 10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	300	-	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	20 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	20 - 10	22-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 6	0.5 - 4	0.5 - 6	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	16			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Connecting terminal block, steel, is pushed onto neutral busbar NLS, can be marked with ZB, without insulating cap	Gray	**AK 4**	**0404017**	50
Up to 6 mm² solid, 7 mm wide	Blue	**AKG 4 BU**	**0421016**	50
Up to 6 mm² solid, 7 mm wide	Green-yellow	**AKG 4 GNYE**	**0421029**	50
Up to 6 mm² solid, 7 mm wide	Black	**AKG 4 BK**	**0421032**	50
Connecting terminal block, steel, is pushed onto neutral busbar NLS, can be marked with ZB, without insulating cap	Gray			
Up to 16 mm² solid, 10 mm wide	Blue			
Up to 16 mm² solid, 10 mm wide	Green-yellow			
Up to 16 mm² solid, 10 mm wide	Black			
Connecting terminal block, steel, is pushed onto neutral busbar NLS, can be marked with ZB, without insulating cap	Gray			
Up to 35 mm² solid, 14.3 mm wide	Blue			
Up to 35 mm² solid, 14.3 mm wide	Green-yellow			
Up to 35 mm² solid, 14.3 mm wide	Black			



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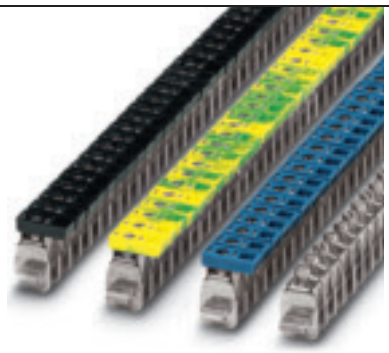
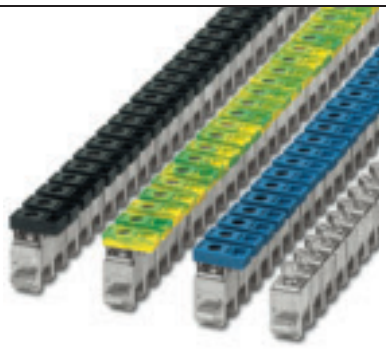


AK ... 16 ...

Width	Length	Height	
10.3	**23.5**	**35**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
76[1])		**1.5 - 16**	**16 - 6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
16 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1.5 - 16	1.5 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 6	1.5 - 6	-
			1.5 - 10
16			
M5			
2.5 - 3			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
AK 16	**0404033**	50
AKG 16 BU	**0423014**	50
AKG 16 GNYE	**0423027**	50
AKG 16 BK	**0423030**	50



AK... 35 ...

Width	Length	Height	
14.3	**27**	**44**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
125[1])		**2.5 - 35**	**14 - 2**
IEC / EN IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
14 - 2	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 35	2.5 - 25	2.5 - 35	2.5 - 35
1.5 - 16	1.5 - 16	1.5 - 16	-
			1.5 - 10
16			
M6			
3.2 - 3.7			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
AK 35	**0404046**	50
AKG 35 BU	**0424013**	50
AKG 35 GNYE	**0424026**	50
AKG 35 BK	**0424039**	50

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Europe terminal blocks

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For more variants, see www.phoenixcontact.de/eshop.

EC 2,5 P TR

The Europe terminal blocks EC... P TR for conductors of up to 16 mm² are equipped with wire protection and are thus suitable even for fine strand conductors without ferrules. The insulating housing consists of halogen-free polyamide (PA). The high-quality metal parts with their corrosion-resistant surfaces are safely fixed in this housing.

Dimensions		Width	Length	Height	
	[mm]	**16.2**	**93.6**	**13.4**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**450**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	300	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	20 - 14	22-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1
Two conductors (of the same type)	[mm²]	0.5 - 0.75	0.5 - 0.75	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	5			
Screw thread		M2,6			
Tightening torque	[Nm]	0.4 - 0.5			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Europe terminal block, 12-pos., with wire protection	Transparent	**EC 2,5 P TR**	**3240167**	10

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EC 4 P TR

Width	Length	Height	
18.6	**117**	**15**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**450**	**0.75 - 4**	**18 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
32 / 4	30 / -	- / -	-
4	-	-	-
18 - 12	20-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.75 - 4	0.75 - 4	0.5 - 2.5	0.5 - 2.5
0.75 - 1.5	0.75 - 1	0.5 - 1	-
			0.5 - 1
6			
M3			
0.5 - 0.6			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
EC 4 P TR	**3240171**	10

EC 6 P TR

Width	Length	Height	
22.2	**132.7**	**17.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**450**	**1 - 6**	**16 - 10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
41 / 6	50 / -	- / -	-
6	-	-	-
16 - 10	14-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1 - 6	1 - 6	0.75 - 4	0.75 - 4
0.75 - 2.5	0.75 - 1.5	0.75 - 1.5	-
			0.5 - 1
7			
M3,5			
0.8 - 1			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
EC 6 P TR	**3240175**	10

EC 16 P TR

Width	Length	Height	
25.2	**173.9**	**20.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**450**	**6 - 16**	**10 - 6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
76 / 16	55 / -	- / -	-
16	-	-	-
10 - 6	10-6	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
6 - 16	6 - 16	1.5 - 10	1.5 - 10
1.5 - 4	2.5 - 4	1.5 - 2.5	-
			0.75 - 2.5
8			
M4			
1.2 - 1.5			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
EC 16 P TR	**3240182**	10

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Europe terminal blocks

The Europe terminal blocks EC ...(BK) are suitable for solid and stranded conductors of up to 25 mm². Their prismatic clamping part ensures easy conductor entry such that even the conductors without ferrules are contacted safely.

The insulating housing consists of polypropylene and enables toolless disconnection of individual positions with a simple circular movement. The high-quality metal parts with their corrosion-resistant surfaces have been safely fixed in the housing.

EC 4 ...

EC 6 ...

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**16.6**	**94.9**	**13**		**18.9**	**116.5**	**14.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**450**	**0.5 - 4**	**20 - 12**	**41**	**450**	**0.75 - 6**	**18 - 10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	-	-	-	450	-	-	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	- / -	- / -	-	41 / 6	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	6	-	-	-
Cross-section range	AWG	20 - 12	-	-	-	18 - 10	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 4	0.5 - 4	0.75 - 2.5	0.75 - 2.5	0.75 - 6	0.75 - 6	0.75 - 4	0.75 - 2.5
Two conductors (of the same type)	[mm²]	0.5 - 1	- 1	-	-	0.75 - 1.5	0.75 - 1.5	0.5 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	5				6			
Screw thread		M2,6				M3			
Tightening torque	[Nm]	0.4 - 0.5				0.5 - 0.6			
Insulating material		PP				PP			
Inflammability class acc. to UL 94		-				-			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Europe terminal block, 12-pos.	White	**EC 4**	**3240168**	10	**EC 6**	**3240172**	10
	Black	**EC 4 BK**	**3240169**	10	**EC 6 BK**	**3240173**	10

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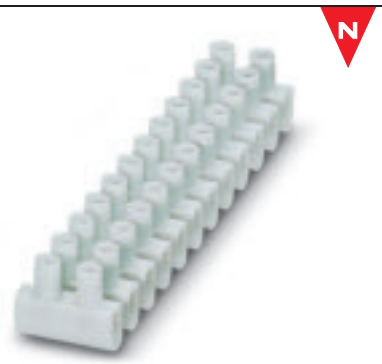
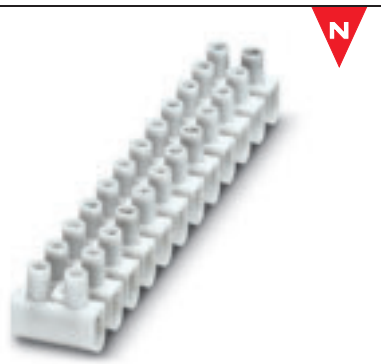


EC 10 ...

Width	Length	Height	
17.3	**133.8**	**23.4**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**450**	**1 - 10**	**16 - 8**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
16 - 8	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1 - 10	1 - 10	1.5 - 6	1.5 - 4
1 - 2.5	1.5 - 2.5	0.75 - 1.5	-
			0.5 - 1.5
7			
M3,5			
0.8 - 1			
PP			
-			

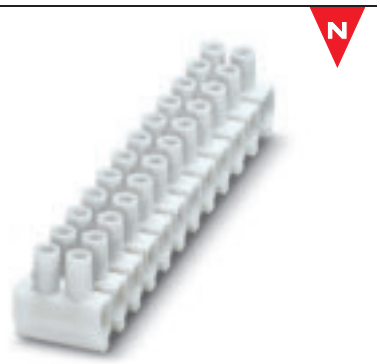
Type	Order No.	Pcs. / Pkt.
EC 10	**3240176**	10
EC 10 BK	**3240177**	10



EC 16 ...

Width	Length	Height	
20.7	**174.5**	**25**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**450**	**1.5 - 16**	**14 - 6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
14 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1.5 - 16	2.5 - 16	2.5 - 10	2.5 - 10
2.5 - 4	2.5 - 4	1.5 - 2.5	-
			1 - 4
8			
M4			
1.2 - 1.5			
PP			
-			

Type	Order No.	Pcs. / Pkt.
EC 16	**3240179**	10
EC 16 BK	**3240180**	10



EC 25 ...

Width	Length	Height	
30	**187.3**	**28**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
101	**750**	**10 - 25**	**8 - 4**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
750	-	-	-
101 / 25	- / -	- / -	-
25	-	-	-
8 - 4	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
10 - 25	10 - 25	4 - 16	4 - 10
4 - 6	4 - 6	2.5 - 4	-
			1.5 - 6
9			
M5			
2 - 3			
PP			
-			

Type	Order No.	Pcs. / Pkt.
EC 25	**3240183**	10
EC 25 BK	**3240184**	10

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Socket terminal blocks

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

JBC 2,5 ...

Thanks to their push-in connection method, the socket terminal blocks in the 3, 5 and 8-pos. variants from Phoenix Contact enable toolless wiring in minimum space. Solid single-strand conductors with cross-sections from 0.5 mm² to 2.5 mm² and solid multi-strand conductors (7 litz wires) with cross-sections from 1.5 mm² to 2.5 mm² can be safely connected. Different cross-sections can thus be wired in one socket terminal block.

The transparent housing facilitates visual inspection of the terminal points, thus increasing wiring safety. Integrated test openings enable the use of wired test devices.

Dimensions		Width	Length	Height	
	[mm]	**17.2**	**15.6**	**8.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**450**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	600	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	20 - 14	20-16	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 2.5	-	-	-
General data					
Stripping length	[mm]	8			
Insulating material		PC/PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plug-in terminal block, 3-pos.	Transparent	**JBC 2,5/3**	**3240164**	100
5-pos.	Transparent	**JBC 2,5/5**	**3240165**	100
8-pos.	Transparent	**JBC 2,5/8**	**3240166**	50

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PKB cable ties

Cable ties have been used for years for binding control lines and cables. The PKB cable ties can also be used for internal and external industrial applications under unfavorable conditions.

They are ideal for fixing cables and as an accessory for the cable markers WMTB, KMK 2 and KMK 4 from Phoenix Contact.

They are available in two designs:

– Transparent, for standard applications and
– Resistant to ultra-violet rays (black), for outdoor systems

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

PKB ...

General data	
Material	PA
Inflammability class acc. to UL 94	V2
Temperature range [°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder, transparent				
Bundle Ø: 1.5-22 mm, tensile strength 80 N	Transparent	**PKB 100X2,5**	**1005457**	1000
Bundle Ø: 1.5-35 mm, tensile strength 178 N	Transparent	**PKB 140X3,6**	**1005460**	1000
Bundle Ø: 1.5-48 mm, tensile strength 222 N	Transparent	**PKB 190X4,8**	**1005473**	1000
Bundle Ø: 1.5-50 mm, tensile strength 80 N	Transparent	**PKB 200X2,5**	**1005486**	1000
Bundle Ø: 1.5-76 mm, tensile strength 222 N	Transparent	**PKB 290X4,8**	**1005499**	1000
Bundle Ø: 1.5-102 mm, tensile strength 222 N	Transparent	**PKB 370X4,8**	**1005509**	1000
Cable tie, resistant to UV rays, Black				
Bundle Ø: 1.5-22 mm, tensile strength 80 N	Black	**PKB 100X2,5 BK**	**1005512**	1000
Bundle Ø: 1.5-35 mm, tensile strength 178 N	Black	**PKB 140X3,6 BK**	**1005525**	1000
Bundle Ø: 1.5-48 mm, tensile strength 222 N	Black	**PKB 190X4,8 BK**	**1005538**	1000
Bundle Ø: 1.5-50 mm, tensile strength 80 N	Black	**PKB 200X2,5 BK**	**1005541**	1000
Bundle Ø: 1.5-76 mm, tensile strength 222 N	Black	**PKB 290X4,8 BK**	**1005554**	1000
Bundle Ø: 1.5-102 mm, tensile strength 222 N	Black	**PKB 370X4,8 BK**	**1005567**	1000

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